

Unit 2

Addition

Topic A: Addition

Addition puts amounts together. The answer of addition is called the **sum** or the **total**.

The **plus sign** $+$ means to add.

$$\begin{array}{ccccccc} \diamond & \diamond & \diamond & + & \diamond & \diamond & = & \diamond & \diamond & \diamond & \diamond & \diamond \\ 3 & & & + & 2 & & = & 5 & & & & \end{array} \quad \begin{array}{l} \text{says "three plus two equals five"} \\ \text{or "three and two is five"} \end{array}$$

The **sum** is 5.

You can count on your fingers to get the answers to addition questions, but counting takes too long.

Addition facts are a tool that you use to do adding questions.

Exercise One

Check out your **addition facts** by doing this exercise as quickly as possible without counting on your fingers. The highest **total** or **sum** (what the numbers add up to) for these number facts is 9. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 2 \\ +4 \\ \hline 6 \end{array}$$

b)
$$\begin{array}{r} 3 \\ +1 \\ \hline 4 \end{array}$$

c)
$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 0 \\ +4 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 2 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 3 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 5 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 1 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 0 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 1 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 2 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 1 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 9 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 0 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 4 \\ +1 \\ \hline \end{array}$$

Answers to Exercise One

a) 6	b) 4	c) 3	d) 7	e) 4	f) 5	g) 7
h) 6	i) 2	j) 9	k) 8	l) 3	m) 8	n) 7
o) 5	p) 9	q) 8	r) 1	s) 6	t) 4	u) 5
v) 3	w) 9	x) 8	y) 9	z) 6	aa) 3	bb) 5

Exercise Two

Check out your **addition facts** by doing this exercise as quickly as possible without counting on your fingers. The highest **total** or **sum** (what the numbers add up to) for these number facts is 9. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$$

b)
$$\begin{array}{r} 1 \\ +8 \\ \hline 9 \end{array}$$

c)
$$\begin{array}{r} 8 \\ +0 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 0 \\ +0 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 0 \\ +9 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 0 \\ +2 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 1 \\ +1 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 0 \\ +1 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

s)
$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 0 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 4 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 5 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 0 \\ +3 \\ \hline \end{array}$$

Answers to Exercise Two

a) 9

b) 9

c) 8

d) 7

e) 0

f) 5

g) 8

h) 9

i) 6

j) 2

k) 7

l) 2

m) 9

n) 1

o) 8

p) 6

q) 4

r) 8

s) 7

t) 8

u) 7

v) 4

w) 9

x) 5

y) 7

z) 6

aa) 9

bb) 3

Exercise Three

Check out your **addition facts** by doing this exercise as quickly as possible without counting on your fingers. The highest **total** or **sum** (what the numbers add up to) for these number facts is 9. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

$$\begin{array}{r} \text{a)} \quad 3 \\ +6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} \text{b)} \quad 4 \\ +5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} \text{c)} \quad 4 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 9 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 0 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 4 \\ \quad \underline{+0} \end{array}$$

$$\begin{array}{r} \text{j)} \quad 1 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{k)} \quad 2 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 0 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{m)} \quad 0 \\ \quad \underline{+0} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 1 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 4 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 6 \\ \quad \underline{+1} \end{array}$$

$$\begin{array}{r} \text{q)} \quad 6 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 3 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 2 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 0 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 5 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 1 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 5 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 3 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 1 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 2 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 0 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 1 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 1 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 0 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 8 \\ \quad \underline{+1} \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 3 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 3 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 7 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{kk)} \quad 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ll)} \quad 4 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{mm)} \quad 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{nn)} \quad 3 \\ + 4 \\ \hline \end{array}$$

Answers to Exercise Three

a) 9	b) 9	c) 5	d) 9	e) 4	f) 7	g) 6
h) 7	i) 4	j) 9	k) 5	l) 5	m) 0	n) 3
o) 7	p) 7	q) 8	r) 5	s) 9	t) 7	u) 9
v) 8	w) 8	x) 6	y) 5	z) 6	aa) 4	bb) 4
cc) 7	dd) 8	ee) 9	ff) 8	gg) 3	hh) 9	ii) 4
jj) 8	kk) 8	ll) 8	mm) 7	nn) 7		

Exercise Four

Check out your **addition facts** by doing this exercise as quickly as possible without counting on your fingers. The highest **total** or **sum** (what the numbers add up to) for these number facts is 12. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

$$\begin{array}{r} \text{a)} \quad 6 \\ + 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} \text{b)} \quad 8 \\ + 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \text{c)} \quad 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 5 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 8 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 2 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 2 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 7 \\ +1 \\ \hline \end{array}$$

Answers to Exercise Four

a) 11	b) 10	c) 8	d) 12	e) 7	f) 8	g) 10
h) 12	i) 12	j) 9	k) 9	l) 10	m) 9	n) 8
o) 12	p) 11	q) 10	r) 11	s) 12	t) 7	u) 10
v) 10	w) 11	x) 8				

Exercise Five

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 12. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

s)
$$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 4 \\ +5 \\ \hline \end{array}$$

Answers to Exercise Five

a) 11	b) 10	c) 11	d) 7	e) 11	f) 11	g) 9
h) 10	i) 10	j) 12	k) 12	l) 8	m) 9	n) 8
o) 9	p) 9	q) 11	r) 13	s) 11	t) 12	u) 12
v) 9	w) 10	x) 9				

Exercise Six

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 12. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

$$\begin{array}{r} \text{a)} \quad 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 5 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 7 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 3 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 5 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 2 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 2 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 6 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 7 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 5 \\ +5 \\ \hline \end{array}$$

Answers to Exercise Six

a) 12	b) 8	c) 10	d) 7	e) 11	f) 10	g) 10
h) 12	i) 11	j) 7	k) 12	l) 11	m) 10	n) 12
o) 10	p) 12	q) 11	r) 12	s) 10	t) 8	u) 11
v) 11	w) 12	x) 8	y) 8	z) 10	aa) 11	bb) 10
cc) 7	dd) 9	ee) 11	ff) 10			

Need more practice? Practice your addition facts using a set of dice.
Roll the dice and add the amounts on the dice.

Exercise Seven

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 7 \\ +6 \\ \hline 13 \end{array}$$

b)
$$\begin{array}{r} 5 \\ +9 \\ \hline 14 \end{array}$$

c)
$$\begin{array}{r} 10 \\ +3 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 10 \\ +9 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 5 \\ +10 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 10 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 7 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 6 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 10 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 9 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 2 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 9 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 10 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 8 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 4 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 9 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 9 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 9 \\ +4 \\ \hline \end{array}$$

Answers to Exercise Seven

a) 13	b) 14	c) 13	d) 12	e) 16	f) 19	g) 15
h) 10	i) 15	j) 17	k) 10	l) 16	m) 11	n) 16
o) 13	p) 14	q) 17	r) 12	s) 16	t) 13	u) 12
v) 11	w) 13	x) 14	y) 15	z) 12	aa) 19	bb) 13

Exercise Eight

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 10 \\ +1 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 10 \\ +8 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 1 \\ +10 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 3 \\ +10 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 10 \\ +7 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 0 \\ +10 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 10 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 4 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 2 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 10 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 6 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 9 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 7 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 9 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 7 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{a)} \quad 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 8 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 9 \\ + 5 \\ \hline \end{array}$$

Answers to Exercise Eight

a) 11	b) 14	c) 18	d) 15	e) 10	f) 11	g) 11
h) 13	i) 7	f) 12	k) 17	l) 10	m) 10	n) 15
o) 18	p) 15	q) 12	r) 11	s) 20	t) 12	u) 12
v) 11	w) 10	x) 16	y) 17	z) 11	aa) 14	bb) 14

Exercise Nine

Check out your addition facts by doing this exercise as quickly as possible without counting. The highest total or sum (what the numbers add up to) for these number facts is 20. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 6 \\ +10 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 5 \\ +10 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 10 \\ +3 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 2 \\ +10 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 10 \\ +8 \\ \hline \end{array}$$

s)
$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 1 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 7 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 10 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 7 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 6 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 5 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 9 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 10 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 8 \\ + 2 \\ \hline \end{array}$$

Answers to Exercise Nine

a) 13	b) 9	c) 10	d) 9	e) 16	f) 13	g) 15
h) 12	i) 10	j) 12	k) 10	l) 15	m) 10	n) 13
o) 16	p) 12	q) 16	r) 18	s) 13	t) 11	u) 13
v) 20	w) 14	x) 11	y) 12	z) 18	aa) 10	bb) 10

Exercise Ten

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Then, make a list of any addition facts you do not know or which are slow – practice them.

$$\begin{array}{r} \text{a)} \quad 7 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 10 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 8 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 2 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 4 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 3 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 7 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 3 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 7 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 5 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 8 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 10 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 8 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 7 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 9 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 0 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 7 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 0 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 9 \\ +7 \\ \hline \end{array}$$

Answers to Exercise Ten

a) 17	b) 14	c) 15	d) 11	e) 10	f) 13	g) 11
h) 11	i) 11	j) 15	k) 14	l) 14	m) 14	n) 19
o) 11	p) 17	q) 12	r) 19	s) 10	t) 13	u) 13
v) 7	w) 6	x) 9	y) 7	z) 8	aa) 10	bb) 13
cc) 7	dd) 13	ee) 3	ff) 16			

Exercise Eleven

Check out your **addition facts** by doing this exercise as quickly as possible without counting. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise. Then, make a list of any addition facts you do not know or which are slow – practice them.

a)
$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 4 \\ + 6 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 0 \\ + 2 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 6 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 6 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 9 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 1 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 4 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 7 \\ +2 \\ \hline \end{array}$$

Answers to Exercise Eleven

a) 9	b) 8	c) 8	d) 10	e) 9	f) 15	g) 4
h) 2	i) 13	j) 11	k) 5	l) 16	m) 6	n) 10
o) 4	p) 14	q) 7	r) 6	s) 5	t) 12	u) 10
v) 9	w) 17	x) 12	y) 5	z) 10	aa) 10	bb) 12
cc) 9	dd) 14	ee) 9	ff) 8	gg) 11	hh) 4	ii) 8
jj) 9						

Need some extra practice?

Find a partner and play the following card game. You will use a regular deck of cards

- Take out the jacks, queens and kings.
- Shuffle the cards and deal them out.
- Do not look at your cards. Leave them in a pile in front of you.
- Each player flips over a card.
- Take turns adding the numbers on the cards.
- If the person whose turn it is gets the right answer that person gets to keep the cards.
- If the person whose turn it is gets the wrong answer the other player gets the cards.
- The person who collects all the cards is the winner.
- You could also set a time limit and the person with the most cards when time is up is the winner.

Exercise Twelve

Here are some extra questions if you need more practice.

The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 6 \\ +7 \\ \hline 13 \end{array}$$

b)
$$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$$

c)
$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 0 \\ +3 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 1 \\ +3 \\ \hline \end{array}$$

s)
$$\begin{array}{r} 0 \\ +2 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 4 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 9 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 6 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 4 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 9 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 3 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{kk)} \quad 1 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ll)} \quad 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{mm)} \quad 6 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{nn)} \quad 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{oo)} \quad 6 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{pp)} \quad 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{qq)} \quad 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{rr)} \quad 5 \\ + 6 \\ \hline \end{array}$$

Answers to Exercise Twelve

a) 13	b) 11	c) 6	d) 15	e) 3	f) 10	g) 13
h) 7	i) 13	j) 3	k) 16	l) 9	m) 8	n) 8
o) 10	p) 9	q) 15	r) 4	s) 2	t) 13	u) 11
v) 5	w) 16	x) 6	y) 10	z) 4	aa) 14	bb) 7
cc) 6	dd) 5	ee) 12	ff) 10	gg) 9	hh) 17	ii) 12
jj) 5	kk) 10	ll) 10	mm) 12	nn) 9	oo) 14	pp) 9
qq) 8	rr) 11					

Adding Across

So far you have only been adding numbers when they are **up and down** or **vertical**.

Example:

$$\begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$$

Another way to add numbers is **across** or **horizontally**.

Example: $4 + 5 = 9$

In math, sometimes you will need to work from left to right.

Exercise Thirteen Practice adding **across** or **horizontally**. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise.

a) $10 + 0 =$

b) $2 + 2 =$

c) $5 + 3 =$

d) $1 + 1 =$

e) $8 + 4 =$

f) $7 + 1 =$

g) $0 + 4 =$

h) $6 + 3 =$

i) $3 + 2 =$

j) $1 + 10 =$

k) $9 + 3 =$

l) $4 + 9 =$

m) $3 + 7 =$

n) $4 + 8 =$

o) $8 + 0 =$

p) $6 + 4 =$

q) $4 + 1 =$

r) $7 + 2 =$

s) $10 + 10 =$

t) $6 + 5 =$

Answers to Exercise Thirteen

a) 10

b) 4

c) 8

d) 2

e) 12

f) 8

g) 4

h) 9

i) 5

j) 11

k) 12

l) 13

m) 10

n) 12

o) 8

p) 10

q) 5

r) 9

s) 20

t) 11

Exercise Fourteen

Practice adding **across or horizontally**. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise.

a) $5 + 10 =$

b) $0 + 0 =$

c) $3 + 8 =$

d) $8 + 3 =$

e) $9 + 5 =$

f) $6 + 2 =$

g) $9 + 0 =$

h) $2 + 9 =$

i) $4 + 7 =$

j) $8 + 2 =$

k) $3 + 6 =$

l) $9 + 4 =$

m) $0 + 2 =$

n) $5 + 2 =$

o) $1 + 3 =$

p) $4 + 2 =$

q) $10 + 3 =$

r) $5 + 4 =$

s) $8 + 5 =$

t) $6 + 6 =$

Answers to Exercise Fourteen

a) 15	b) 0	c) 11	d) 11	e) 14	f) 8	g) 9
h) 11	i) 11	j) 10	k) 9	l) 13	m) 2	n) 7
o) 4	p) 6	q) 13	r) 9	s) 13	t) 12	

Exercise Fifteen

Practice adding **across or horizontally**. The highest **total** or **sum** (what the numbers add up to) for these number facts is 20. Check your work using the answer key at the end of the exercise.

a) $9 + 6 =$

b) $8 + 9 =$

c) $9 + 9 =$

d) $2 + 3 =$

e) $7 + 3 =$

f) $10 + 8 =$

g) $9 + 7 =$

h) $8 + 8 =$

i) $8 + 10 =$

j) $3 + 9 =$

k) $9 + 2 =$

l) $4 + 4 =$

m) $6 + 8 =$

n) $2 + 7 =$

o) $5 + 7 =$

p) $3 + 3 =$

q) $7 + 0 =$

r) $5 + 8 =$

s) $10 + 8 =$

t) $9 + 8 =$

Answers to Exercise Fifteen

a) 15	b) 17	c) 18	d) 5	e) 10	f) 18	g) 16
h) 16	i) 18	j) 12	k) 11	l) 8	m) 14	n) 9
o) 12	p) 6	q) 7	r) 13	s) 18	t) 17	

Word Problems

Learning addition facts is very important. Once you know them all, you can use them to solve word problems.

Words such as **more than, plus, added to, sum, total, have altogether** and **in all** tell you to add the numbers together. Look for these words when reading word problems and underline them before trying to solve a problem. Circle the information that is given.

Example: Before lunch Jane read 2 pages. After lunch she read 9 pages. How many pages did she read in all?

Before lunch Jane read 2 pages. After lunch she read 9 pages. How many pages did she read in all?

You have circled 2 pages and 9 pages. This is the information you will use to find the answer.

You have underlined “in all”. These words tell you to add.

$$\begin{array}{r} 2 \text{ pages} \\ + 9 \text{ pages} \\ \hline 11 \text{ pages} \end{array}$$

Jane read 11 pages in all.

Exercise One

Solve each of the following word problems. Be sure to underline the words that tell you to add. Circle the information that is given. Have your instructor check your underlining and circling.

- a) Sven bought 7 cans of juice on Monday. He bought 9 cans of juice on Wednesday. How many cans of juice did he buy altogether?

- b) During the hockey game, Ewan took 8 shots from the blue line and 4 shots from in front of the net. How many shots did he take in all?
- c) Marlene noticed that there were 4 people in her math class. The next day 6 more people were in her math class. What is the total number of people in Marlene's math class?
- d) The Blue Jays played two baseball games in a row. They got 10 runs in the first game and 7 runs in the second game. How many runs did they score altogether?
- e) Jaswinder had 9 apples in her grocery cart. She added 5 more different apples. How many apples did she have in total?

- f) Enlai and his dad were fishing. Enlai caught 3 fish. His father caught 5 fish. How many fish did they have in total?

Answers to Exercise One

- a) 16 cans b) 12 shots c) 10 people
d) 17 runs e) 14 apples f) 8 fish

A. Find the sums. Be sure to check your answers.**12 marks**

a)
$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

B. Find the sums. Be sure to check your answers.**4 marks**

a) $6 + 7 =$

b) $3 + 8 =$

c) $4 + 6 =$

d) $8 + 5 =$

- C. Solve each of the following word problems. 6 marks
Be sure to include the unit of measure in your answer. (2 marks each)

Be sure to **circle** information and **underline** what is being asked.

- a) Paco worked 5 hours on Monday and 9 hours on Tuesday. How many hours did Paco work in total?
- b) In the park, Ming-Mai counted 6 robins in the morning. In the afternoon, she counted 8 more robins. How many robins in all did Ming-Mai count?
- c) Omari bought 3 bananas on Monday. He bought 5 bananas on Tuesday. How many bananas did he buy altogether?

Answers to Topic A Self-Test

A.

- a) 15 b) 13 c) 6 d) 13 e) 8 f) 10 g) 5
h) 10 i) 9 j) 17 k) 11 l) 11

B.

- a) 13 b) 11 c) 10 d) 13

C.

- a) 14 hours b) 14 robins c) 8 bananas

Topic B: Addition of Three or More Numbers

To add three or more numbers together, use the following steps.

Step 1: Add the first two numbers together.

Step 2: Add that sum to the next number.

Step 3: Add that sum to the next number (if needed).

Example A:

$$\begin{array}{r} 6 \\ 1 \\ + 3 \\ \hline \end{array}$$

Step 1: Add the first two numbers together.

$$\begin{array}{r} 6 \\ + 1 \\ \hline 7 \end{array}$$

Step 2: Add that sum to the next number.

$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$$

The sum of

$$\begin{array}{r} 6 \\ 1 \\ + 3 \\ \hline 10 \end{array}$$

Example B:

$$\begin{array}{r} 4 \\ 5 \\ \hline +7 \end{array}$$

Step 1: Add the first two numbers together.

$$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$$

Step 2: Add that sum to the third number.

$$\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$$

The sum of

$$\begin{array}{r} 4 \\ 5 \\ +7 \\ \hline 16 \end{array}$$

Example C:

$$\begin{array}{r} 1 \\ 3 \\ 4 \\ \hline +5 \end{array}$$

Step 1: Add the first two numbers together.

$$\begin{array}{r} 1 \\ +3 \\ \hline 4 \end{array}$$

Step 2: Add that sum to the third number.

$$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array}$$

Step 3: Add that sum to the fourth number.

$$\begin{array}{r} 8 \\ + 5 \\ \hline 13 \end{array}$$

The sum of

$$\begin{array}{r} 1 \\ 3 \\ 4 \\ + 5 \\ \hline 13 \end{array}$$

Exercise One

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 1 \\ 2 \\ + 5 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 6 \\ 3 \\ + 2 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 7 \\ 1 \\ + 6 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 3 \\ 6 \\ + 5 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 8 \\ 1 \\ + 4 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 5 \\ 4 \\ + 8 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 1 \\ 5 \\ + 7 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 7 \\ 2 \\ + 5 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 1 \\ 8 \\ + 3 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 4 \\ 5 \\ + 9 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 2 \\ 2 \\ + 8 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 6 \\ 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 7 \\ \quad 2 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{n)} \quad 3 \\ \quad 2 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{o)} \quad 6 \\ \quad 2 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{p)} \quad 4 \\ \quad 4 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{q)} \quad 3 \\ \quad 3 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{r)} \quad 7 \\ \quad 1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{s)} \quad 1 \\ \quad 7 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{t)} \quad 2 \\ \quad 4 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{u)} \quad 7 \\ \quad 2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{v)} \quad 3 \\ \quad 5 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{w)} \quad 1 \\ \quad 4 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{x)} \quad 5 \\ \quad 3 \\ \hline +8 \end{array}$$

Answers to Exercise One

a) 8	b) 11	c) 14	d) 14	e) 13	f) 17	g) 13
h) 14	i) 12	j) 18	k) 12	l) 14	m) 14	n) 10
o) 13	p) 13	q) 15	r) 17	s) 13	t) 11	u) 17
v) 15	w) 13	x) 16				

Exercise Two

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 3 \\ \quad 5 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{b)} \quad 2 \\ \quad 6 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{c)} \quad 4 \\ \quad 1 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{d)} \quad 5 \\ \quad 4 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{e)} \quad 3 \\ \quad 6 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{f)} \quad 2 \\ \quad 5 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{g)} \quad 6 \\ \quad 3 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{h)} \quad 3 \\ \quad 5 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{i)} \quad 3 \\ \quad 4 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{j)} \quad 4 \\ \quad 5 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{k)} \quad 6 \\ \quad 3 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 5 \\ \quad 2 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{m)} \quad 4 \\ \quad 5 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 5 \\ \quad 2 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 2 \\ \quad 3 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 1 \\ \quad 5 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{q)} \quad 4 \\ \quad 3 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 2 \\ \quad 6 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 4 \\ \quad 5 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 5 \\ \quad 2 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 3 \\ \quad 4 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{v)} \quad 7 \\ \quad 1 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{w)} \quad 2 \\ \quad 1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{x)} \quad 3 \\ \quad 6 \\ \hline +3 \end{array}$$

Answers to Exercise Two

a) 15	b) 16	c) 14	d) 11	e) 13	f) 11	g) 11
h) 11	i) 14	j) 18	k) 11	l) 16	m) 16	n) 15
o) 13	p) 12	q) 12	r) 13	s) 12	t) 11	u) 14
v) 13	w) 12	x) 12				

Exercise Three

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 3 \\ \quad 2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{b)} \quad 2 \\ \quad 1 \\ \hline +4 \end{array}$$

$$\begin{array}{r} \text{c)} \quad 4 \\ \quad 3 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{d)} \quad 1 \\ \quad 2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{e)} \quad 3 \\ \quad 2 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{f)} \quad 5 \\ \quad 1 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{g)} \quad 7 \\ \quad 2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{h)} \quad 4 \\ \quad 2 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{i)} \quad 7 \\ \quad 2 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{j)} \quad 6 \\ \quad 1 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{k)} \quad 2 \\ \quad 7 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{l)} \quad 3 \\ \quad 4 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{m)} \quad 3 \\ \quad 4 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{n)} \quad 7 \\ \quad 1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{o)} \quad 2 \\ \quad 6 \\ \hline +4 \end{array}$$

$$\begin{array}{r} \text{p)} \quad 3 \\ \quad 1 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{q)} \quad 5 \\ \quad 1 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{r)} \quad 4 \\ \quad 2 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{s)} \quad 3 \\ \quad 4 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{t)} \quad 8 \\ \quad 1 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{u)} \quad 2 \\ \quad 5 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{v)} \quad 6 \\ \quad 3 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{w)} \quad 2 \\ \quad 7 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{x)} \quad 6 \\ \quad 3 \\ \hline +4 \end{array}$$

Answers to Exercise Three

a) 13	b) 7	c) 8	d) 11	e) 7	f) 8	g) 17
h) 12	i) 16	j) 8	k) 15	l) 9	m) 8	n) 17
o) 12	p) 6	q) 9	r) 12	s) 13	t) 16	u) 15
v) 10	w) 14	x) 13				

Exercise Four

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 1 \\ \quad 3 \\ \quad 4 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{b)} \quad 2 \\ \quad 3 \\ \quad 4 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{c)} \quad 4 \\ \quad 3 \\ \quad 2 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{d)} \quad 3 \\ \quad 1 \\ \quad 5 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{e)} \quad 2 \\ \quad 2 \\ \quad 3 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{f)} \quad 3 \\ \quad 3 \\ \quad 1 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{g)} \quad 2 \\ \quad 1 \\ \quad 2 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{h)} \quad 1 \\ \quad 2 \\ \quad 4 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{i)} \quad 2 \\ \quad 4 \\ \quad 1 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{j)} \quad 3 \\ \quad 2 \\ \quad 3 \\ \quad \underline{+3} \end{array}$$

$$\begin{array}{r} \text{k)} \quad 2 \\ \quad 1 \\ \quad 4 \\ \quad \underline{+0} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 3 \\ \quad 1 \\ \quad 4 \\ \quad \underline{+1} \end{array}$$

$$\begin{array}{r} \text{m)} \quad 3 \\ \quad 2 \\ \quad 3 \\ \quad \underline{+2} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 3 \\ \quad 5 \\ \quad 1 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 6 \\ \quad 1 \\ \quad 2 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 4 \\ \quad 3 \\ \quad 2 \\ \quad \underline{+1} \end{array}$$

$$\begin{array}{r} \text{q)} \quad 1 \\ \quad 4 \\ \quad 3 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 4 \\ \quad 2 \\ \quad 1 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 3 \\ \quad 4 \\ \quad 2 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 2 \\ \quad 4 \\ \quad 3 \\ \quad \underline{+6} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 2 \\ \quad 3 \\ \quad 3 \\ \quad \underline{+5} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 1 \\ \quad 3 \\ \quad 5 \\ \quad \underline{+7} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 4 \\ \quad 4 \\ \quad 1 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 6 \\ \quad 2 \\ \quad 1 \\ \quad \underline{+7} \end{array}$$

Answers to Exercise Four

a) 13	b) 15	c) 17	d) 15	e) 9	f) 9	g) 9
h) 13	i) 13	j) 11	k) 7	l) 9	m) 10	n) 15
o) 18	p) 10	q) 13	r) 16	s) 16	t) 15	u) 13
v) 16	w) 17	x) 16				

Exercise Five

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 1 \\ \quad 3 \\ \quad 4 \\ \quad \underline{+8} \end{array}$$

$$\begin{array}{r} \text{b)} \quad 5 \\ \quad 3 \\ \quad 1 \\ \quad \underline{+4} \end{array}$$

$$\begin{array}{r} \text{c)} \quad 7 \\ \quad 1 \\ \quad 1 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{d)} \quad 2 \\ \quad 3 \\ \quad 4 \\ \quad \underline{+9} \end{array}$$

$$\begin{array}{r} \text{e)} \quad 1 \\ \quad 2 \\ \quad 6 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{f)} \quad 2 \\ \quad 3 \\ \quad 2 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{g)} \quad 4 \\ \quad 1 \\ \quad 4 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{h)} \quad 1 \\ \quad 3 \\ \quad 5 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{i)} \quad 2 \\ \quad 1 \\ \quad 5 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{j)} \quad 3 \\ \quad 1 \\ \quad 2 \\ \hline +9 \end{array}$$

$$\begin{array}{r} \text{k)} \quad 2 \\ \quad 2 \\ \quad 5 \\ \hline +8 \end{array}$$

$$\begin{array}{r} \text{l)} \quad 3 \\ \quad 2 \\ \quad 4 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{m)} \quad 4 \\ \quad 1 \\ \quad 1 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{n)} \quad 2 \\ \quad 4 \\ \quad 3 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{o)} \quad 1 \\ \quad 5 \\ \quad 2 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{p)} \quad 3 \\ \quad 3 \\ \quad 1 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{q)} \quad 1 \\ \quad 4 \\ \quad 3 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{r)} \quad 2 \\ \quad 1 \\ \quad 5 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{s)} \quad 3 \\ \quad 1 \\ \quad 6 \\ \hline +5 \end{array}$$

$$\begin{array}{r} \text{t)} \quad 2 \\ \quad 3 \\ \quad 4 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{u)} \quad 2 \\ \quad 1 \\ \quad 4 \\ \hline \quad +8 \end{array}$$

$$\begin{array}{r} \text{v)} \quad 2 \\ \quad 3 \\ \quad 2 \\ \hline \quad +6 \end{array}$$

$$\begin{array}{r} \text{w)} \quad 3 \\ \quad 1 \\ \quad 3 \\ \hline \quad +2 \end{array}$$

$$\begin{array}{r} \text{x)} \quad 1 \\ \quad 0 \\ \quad 5 \\ \hline \quad +4 \end{array}$$

Answers to Exercise Five

a) 16	b) 13	c) 18	d) 18	e) 18	f) 10	g) 15
h) 17	i) 15	j) 15	k) 17	l) 16	m) 8	n) 15
o) 9	p) 9	q) 14	r) 11	s) 15	t) 15	u) 15
v) 13	w) 9	x) 10				

Exercise Six

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 2 \\ \quad 1 \\ \quad 5 \\ \hline \quad +0 \end{array}$$

$$\begin{array}{r} \text{b)} \quad 4 \\ \quad 2 \\ \quad 2 \\ \hline \quad +5 \end{array}$$

$$\begin{array}{r} \text{c)} \quad 1 \\ \quad 3 \\ \quad 4 \\ \hline \quad +3 \end{array}$$

$$\begin{array}{r} \text{d)} \quad 1 \\ \quad 2 \\ \quad 6 \\ \hline \quad +4 \end{array}$$

$$\begin{array}{r} \text{e)} \quad 3 \\ \quad 4 \\ \quad 2 \\ \hline \quad +6 \end{array}$$

$$\begin{array}{r} \text{f)} \quad 2 \\ \quad 4 \\ \quad 4 \\ \hline \quad +5 \end{array}$$

$$\begin{array}{r} \text{g)} \quad 2 \\ \quad 3 \\ \quad 5 \\ \hline \quad +1 \end{array}$$

$$\begin{array}{r} \text{h)} \quad 4 \\ \quad 3 \\ \quad 1 \\ \hline \quad +5 \end{array}$$

$$\begin{array}{r} \text{i)} \quad 4 \\ \quad 1 \\ \quad 2 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{j)} \quad 3 \\ \quad 2 \\ \quad 5 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{k)} \quad 1 \\ \quad 3 \\ \quad 1 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{l)} \quad 4 \\ \quad 2 \\ \quad 3 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{m)} \quad 1 \\ \quad 3 \\ \quad 7 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{n)} \quad 2 \\ \quad 1 \\ \quad 3 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{o)} \quad 3 \\ \quad 2 \\ \quad 1 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{p)} \quad 4 \\ \quad 1 \\ \quad 1 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{q)} \quad 3 \\ \quad 0 \\ \quad 3 \\ \hline +1 \end{array}$$

$$\begin{array}{r} \text{r)} \quad 2 \\ \quad 1 \\ \quad 1 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{s)} \quad 1 \\ \quad 0 \\ \quad 4 \\ \hline +3 \end{array}$$

$$\begin{array}{r} \text{t)} \quad 2 \\ \quad 3 \\ \quad 4 \\ \hline +7 \end{array}$$

$$\begin{array}{r} \text{u)} \quad 2 \\ \quad 1 \\ \quad 5 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{v)} \quad 4 \\ \quad 3 \\ \quad 2 \\ \hline +2 \end{array}$$

$$\begin{array}{r} \text{w)} \quad 4 \\ \quad 1 \\ \quad 5 \\ \hline +6 \end{array}$$

$$\begin{array}{r} \text{x)} \quad 2 \\ \quad 4 \\ \quad 2 \\ \hline +5 \end{array}$$

Answers to Exercise Six

a) 8	b) 13	c) 11	d) 13	e) 15	f) 15	g) 11
h) 13	i) 8	j) 17	k) 8	l) 16	m) 12	n) 7
o) 7	p) 8	q) 7	r) 7	s) 8	t) 16	u) 14
v) 11	w) 16	x) 13				

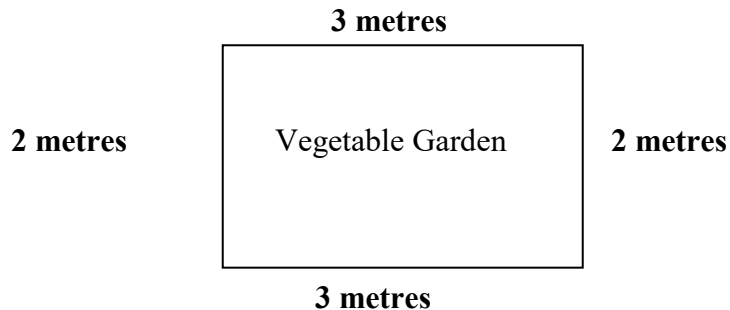
Perimeter

Did you spot the fact that each answer in the word problems before had a **unit of measure**? A **unit of measure** just tells you what you measured. **Units of measure** can be pages, fish, cans, kilometres, meters, centimetres, litres, millilitres, grams or kilograms. When you answer a word problem, you must include the **unit of measure** in your answer.

Try the following questions. Be sure to include the unit of measure in your answer.

Perimeter means **distance around**. To find the **perimeter** of a shape, find the lengths of the sides and add them together.

Example:



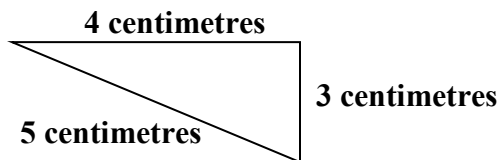
Rectangle

To find the perimeter, add the lengths of the sides of the rectangle.

$$\text{Perimeter} = 3 + 2 + 3 + 2$$

$$\text{Perimeter} = 10 \text{ metres}$$

Example:



Triangle

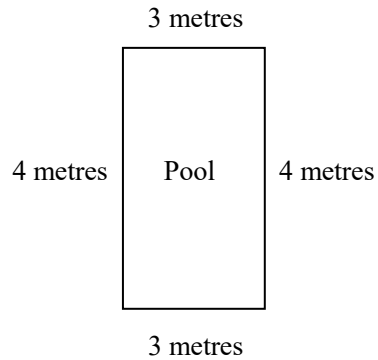
To find the perimeter, add the lengths of the sides of the triangle. $\text{Perimeter} = 4 + 3 + 5$

$$\text{Perimeter} = 12 \text{ centimetres}$$

Exercise One

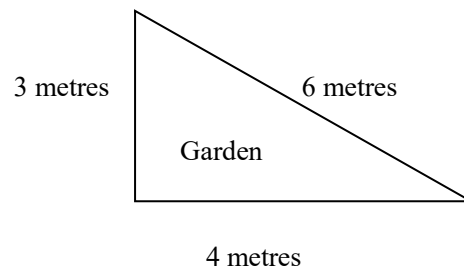
Find the perimeter of each figure. Be sure to include the units of measure in your answer. Check your work using the answer key at the end of the exercise.

- a) Find the perimeter of the swimming pool.



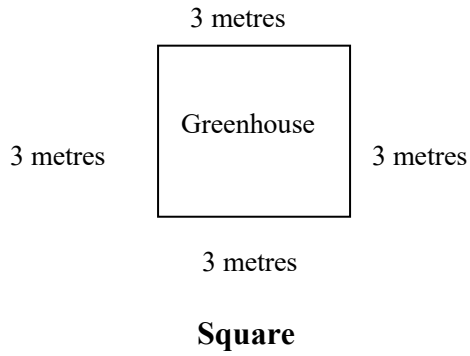
Rectangle

- b) Find the perimeter of the garden.

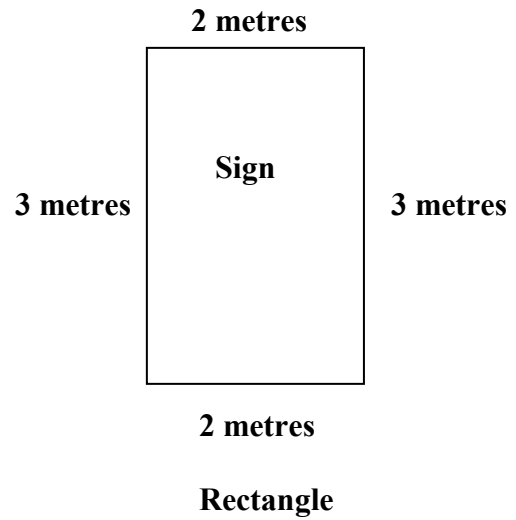


Triangle

c) Find the perimeter of the greenhouse.



d) Find the perimeter of the sign.



Answers to Exercise One

a) 14 metres b) 13 metres c) 12 metres d) 10 metres

Topic B: Self-Test

Mark /18

Aim 15/18

A. Find the sums. Be sure to check your answers.

12 marks

a)
$$\begin{array}{r} 4 \\ 6 \\ +2 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3 \\ 6 \\ +9 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 7 \\ 2 \\ +8 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 2 \\ 1 \\ +4 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 3 \\ 5 \\ +8 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 4 \\ 6 \\ +7 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 3 \\ 1 \\ 5 \\ +2 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 4 \\ 2 \\ 3 \\ +7 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 5 \\ 3 \\ 1 \\ +8 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 3 \\ 5 \\ 1 \\ +3 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 1 \\ 5 \\ 4 \\ +6 \\ \hline \end{array}$$

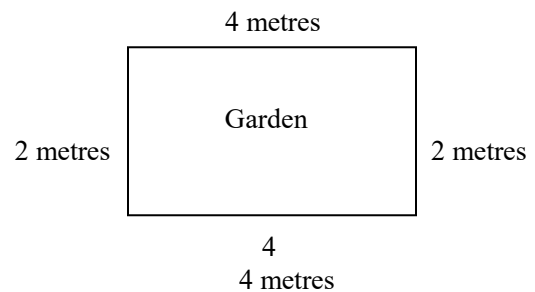
n)
$$\begin{array}{r} 2 \\ 1 \\ 6 \\ +5 \\ \hline \end{array}$$

- B. Solve each of the following word problems. 6 marks**
Be sure to include the unit of measure in your answer. (2 marks each)
Be sure to circle information and underline what is being asked.

a) It took the cleanup crew 4 hours on Monday, 3 hours on Tuesday and 9 hours on Wednesday to clean the factory after each day's work. How many hours in total did it take to clean the factory?

b) Nella wants to put a fence around her garden. The garden measures 5 metres, 3 metres and 1 metre. How much fence does she need?

c) Find the perimeter of the garden.



Answers to Topic B Self-Test

A.

- a) 12 b) 18 c) 17 d) 7 e) 16 f) 17
g) 11 h) 16 i) 17 j) 12 k) 16 l) 14

B.

- a) 16 hours b) 9 metres c) 12 metres

Topic C: Addition of Larger Numbers

Use these steps to complete each addition question.

Step 1: Add the ones to the ones.

Step 2: Add the tens to the tens.

Step 3: Add the hundreds to the hundreds.

Example A:

$$\begin{array}{r} 23 \\ + 56 \\ \hline \end{array}$$

Step 1: Add the ones to the ones. 3 ones + 6 ones = 9 ones

$$\begin{array}{r} 23 \\ + 56 \\ \hline 9 \end{array}$$

Write the answer in line with the ones in the question.

Step 2: Add the tens. 2 tens + 5 tens = 7 tens

$$\begin{array}{r} 23 \\ + 56 \\ \hline 79 \end{array}$$

The sum of $23 + 56 = 79$

Example B:

$$\begin{array}{r} 372 \\ + 415 \\ \hline \end{array}$$

Step 1: Add the ones. 2 ones + 5 ones = 7 ones

$$\begin{array}{r} 372 \\ + 415 \\ \hline 7 \end{array}$$

Step 2: Add the tens. 7 tens + 1 ten = 8 tens

$$\begin{array}{r} 372 \\ + 415 \\ \hline 87 \end{array}$$

Step 3: Add the hundreds. 3 hundreds + 4 hundreds = 7 hundreds

$$\begin{array}{r} 372 \\ + 415 \\ \hline 787 \end{array}$$

Exercise One

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 54 \\ + 32 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 20 \\ + 69 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 58 \\ + 21 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 62 \\ + 13 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 73 \\ + 14 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 44 \\ + 54 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 10 \\ + 75 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 36 \\ + 22 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 10 \\ + 36 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 16 \\ + 23 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 40 \\ + 50 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 37 \\ + 32 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 14 \\ + 50 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 23 \\ + 16 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 41 \\ + 38 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 40 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 28 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 21 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 72 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 31 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 47 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 34 \\ + 65 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 63 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 31 \\ + 45 \\ \hline \end{array}$$

Answers to Exercise One

a) 86	b) 89	c) 79	d) 75	e) 87	f) 98	g) 85
h) 58	i) 46	j) 39	k) 90	l) 69	m) 64	n) 39
o) 79	p) 51	q) 98	r) 77	s) 84	t) 45	u) 59
v) 99	w) 97	x) 76				

Exercise Two

Find the sums. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 47 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 65 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 78 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 84 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 73 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 64 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 25 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 51 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 26 \\ +43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 40 \\ +57 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 76 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 86 \\ +13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 28 \\ +71 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 35 \\ +62 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 27 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 19 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 41 \\ +43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 53 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 61 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 52 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 23 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 32 \\ +43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 13 \\ +65 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 46 \\ +42 \\ \hline \end{array}$$

Answers to Exercise Two

a) 98	b) 89	c) 99	d) 96	e) 95	f) 77	g) 89
h) 89	i) 69	j) 97	k) 99	l) 99	m) 99	n) 97
o) 39	p) 59	q) 84	r) 85	s) 83	t) 73	u) 87
v) 75	w) 78	x) 88				

Exercise Three

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 32 \\ + 64 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 23 \\ + 54 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 61 \\ + 22 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 83 \\ + 11 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 32 \\ + 45 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 63 \\ + 33 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 75 \\ + 24 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 46 \\ + 12 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 44 \\ + 35 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 25 \\ + 42 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 41 \\ + 38 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 54 \\ + 45 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 25 \\ + 32 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 35 \\ + 42 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 32 \\ + 44 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 22 \\ + 14 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 57 \\ + 21 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 42 \\ + 54 \\ \hline \end{array}$$

s)
$$\begin{array}{r} 34 \\ + 23 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 25 \\ + 42 \\ \hline \end{array}$$

u)
$$\begin{array}{r} 13 \\ + 41 \\ \hline \end{array}$$

v)
$$\begin{array}{r} 60 \\ + 25 \\ \hline \end{array}$$

w)
$$\begin{array}{r} 34 \\ + 62 \\ \hline \end{array}$$

x)
$$\begin{array}{r} 77 \\ + 21 \\ \hline \end{array}$$

Answers to Exercise Three

a) 96	b) 77	c) 83	d) 94	e) 77	f) 96	g) 99
h) 58	i) 79	j) 67	k) 79	l) 99	m) 57	n) 77
o) 76	p) 36	q) 78	r) 96	s) 57	t) 67	u) 54
v) 85	w) 96	x) 98				

Exercise Four

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 286 \\ + 513 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 649 \\ + 250 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 156 \\ + 542 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 503 \\ + 361 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 273 \\ + 620 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 27 \\ + 961 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 852 \\ + 36 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 300 \\ + 50 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 364 \\ + 523 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 568 \\ + 210 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 432 \\ + 325 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 621 \\ + 214 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 312 \\ + 541 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 135 \\ + 420 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 231 \\ + 354 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 532 \\ + 141 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 537 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 145 \\ + 441 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 235 \\ + 214 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 723 \\ + 113 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 521 \\ + 344 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 624 \\ + 174 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 524 \\ + 221 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 463 \\ + 425 \\ \hline \end{array}$$

Answers to Exercise Four

a) 799	b) 899	c) 698	d) 864	e) 893	f) 988	g) 888
h) 350	i) 887	j) 778	k) 757	l) 835	m) 853	n) 555
o) 585	p) 673	q) 558	r) 586	s) 449	t) 836	u) 865
v) 798	w) 745	x) 888				

Exercise Five

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 172 \\ + 401 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 314 \\ + 553 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 431 \\ + 317 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 213 \\ + 384 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 163 \\ + 224 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 412 \\ + 531 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 731 \\ + 142 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 314 \\ + 524 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 253 \\ + 401 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 243 \\ + 425 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 653 \\ + 434 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 576 \\ + 303 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 732 \\ + 210 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 251 \\ + 734 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 605 \\ + 143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 715 \\ + 223 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 254 \\ + 125 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 351 \\ + 645 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 754 \\ + 231 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 425 \\ + 143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 465 \\ + 233 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 501 \\ + 368 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 335 \\ + 403 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 561 \\ + 234 \\ \hline \end{array}$$

Answers to Exercise Five

a) 573	b) 867	c) 748	d) 597	e) 387	f) 943	g) 873
h) 838	i) 654	j) 668	k) 1087	l) 879	m) 942	n) 985
o) 748	p) 938	q) 379	r) 996	s) 985	t) 568	u) 698
v) 869	w) 738	x) 795				

Exercise Six

Find the sums. Check your work using the answer key at the end of the exercise.

a)
$$\begin{array}{r} 754 \\ + 231 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 410 \\ + 257 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 653 \\ + 142 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 815 \\ + 170 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 243 \\ + 146 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 615 \\ + 303 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 124 \\ + 762 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 451 \\ + 206 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 705 \\ + 261 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 627 \\ + 512 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 357 \\ + 130 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 725 \\ + 273 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 753 \\ + 902 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 425 \\ + 203 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 652 \\ + 137 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 357 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 675 \\ + 214 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 802 \\ + 254 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 524 \\ + 321 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 723 \\ + 306 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 243 \\ + 152 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 145 \\ + 213 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 262 \\ + 321 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 545 \\ + 131 \\ \hline \end{array}$$

Answers to Exercise Six

a) 985	b) 667	c) 795	d) 985	e) 389	f) 918	g) 886
h) 657	i) 966	j) 1 139	k) 487	l) 998	m) 1 655	n) 628
o) 789	p) 489	q) 889	r) 1 056	s) 845	t) 1 029	u) 395
v) 358	w) 583	x) 676				

Topic C: Self-Test

Mark /22 Aim 19/22

A. Find the sums. Be sure to check your answers.

12 marks

a)
$$\begin{array}{r} 46 \\ + 23 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 32 \\ + 13 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 72 \\ + 25 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 56 \\ + 21 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 65 \\ + 34 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 25 \\ + 51 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 324 \\ + 263 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 183 \\ + 514 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 753 \\ + 145 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 618 \\ + 120 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 224 \\ + 465 \\ \hline \end{array}$$

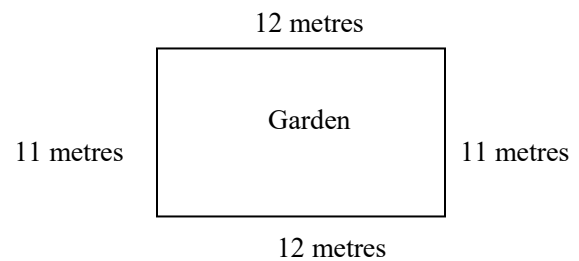
l)
$$\begin{array}{r} 563 \\ + 216 \\ \hline \end{array}$$

- B. Solve each of the following word problems. 6 marks**
Be sure to include the unit of measure in your answer. (2 marks each)
Be sure to circle information and underline what is being asked.

a) Mahala's dad worked 45 hours one week and 52 hours the next week. How many hours did he work during those two weeks?

b) A trucker drove 526 kilometers on the first trip and 341 kilometers on the next. How many kilometers did the trucker drive altogether?

c) Find the perimeter of the garden.



Answers to Topic C Self-Test

A.

- a) 69 b) 45 c) 97 d) 77 e) 99 f) 76
g) 587 h) 697 i) 898 j) 738 k) 689 l) 779

B.

- a) 97 hours b) 867 kilometres c) 46 metres

Emotions Check

How are you feeling? Are your palms moist? How is your breathing?

Take control. Be the boss. If you are feeling anxious, practice your breathing exercise.

Remember: breathe in slowly to the count of four, hold it for the count of four, and breathe out slowly to the count of four.

Unit 2 Review - Addition

You will now practice all the skills you learned in Unit 2. Check your work using the answer key at the end of the review.

A. Check out your addition facts.

a)
$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 7 \\ +10 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 3 \\ +1 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$$

B. Add across or horizontally.

a) $8 + 7 =$

b) $0 + 3 =$

c) $8 + 10 =$

d) $5 + 2 =$

e) $2 + 2 =$

f) $7 + 5 =$

g) $9 + 8 =$

h) $3 + 6 =$

i) $9 + 5 =$

j) $1 + 5 =$

k) $6 + 10 =$

l) $4 + 1 =$

m) $7 + 3 =$

n) $5 + 8 =$

o) $2 + 6 =$

p) $8 + 3 =$

C. Find the sums.

a)
$$\begin{array}{r} 6 \\ 2 \\ +4 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 5 \\ 2 \\ +1 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 4 \\ 4 \\ +8 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 3 \\ 4 \\ +5 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 2 \\ 3 \\ +4 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 6 \\ 4 \\ +7 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 3 \\ 4 \\ \hline +6 \end{array}$$

h)
$$\begin{array}{r} 7 \\ 2 \\ \hline +4 \end{array}$$

i)
$$\begin{array}{r} 3 \\ 6 \\ \hline +8 \end{array}$$

D. Find the sums.

a)
$$\begin{array}{r} 26 \\ \hline +30 \end{array}$$

b)
$$\begin{array}{r} 42 \\ \hline +57 \end{array}$$

c)
$$\begin{array}{r} 44 \\ \hline +32 \end{array}$$

d)
$$\begin{array}{r} 32 \\ \hline +81 \end{array}$$

e)
$$\begin{array}{r} 83 \\ \hline +13 \end{array}$$

f)
$$\begin{array}{r} 76 \\ \hline +12 \end{array}$$

g)
$$\begin{array}{r} 34 \\ \hline +51 \end{array}$$

h)
$$\begin{array}{r} 54 \\ \hline +22 \end{array}$$

i)
$$\begin{array}{r} 52 \\ \hline +43 \end{array}$$

j)
$$\begin{array}{r} 25 \\ \hline +42 \end{array}$$

k)
$$\begin{array}{r} 72 \\ \hline +35 \end{array}$$

l)
$$\begin{array}{r} 66 \\ \hline +12 \end{array}$$

E. Find the sums.

a)
$$\begin{array}{r} 342 \\ + 523 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 725 \\ + 142 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 362 \\ + 417 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 425 \\ + 172 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 284 \\ + 314 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 315 \\ + 132 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 363 \\ + 415 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 741 \\ + 225 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 403 \\ + 445 \\ \hline \end{array}$$

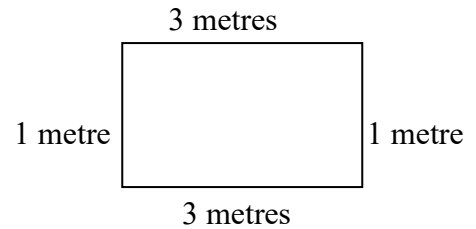
j)
$$\begin{array}{r} 654 \\ + 215 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 234 \\ + 352 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 525 \\ + 431 \\ \hline \end{array}$$

F. Word Problems.

- a) Find the perimeter of the shape. Be sure to put the unit of measure in your answer. Write the name of the shape below the picture.



- b)
-
- A square is shown with its dimensions labeled. The top side is labeled "5 metres", the bottom side is labeled "5 metres", the left side is labeled "5 metres", and the right side is labeled "5 metres".

- c) The CN Tower in Toronto is 554 metres high. On top of the tower is a TV mast that is 122 metres high. What is the total height of the tower and TV mast?

- d) Seung weighs 36 kilograms. His father weighs 62 kilograms. How much do they weigh altogether?

Answers to Unit 2 Review

A.

- | | | | | |
|-------|-------|------|-------|-------|
| a) 11 | b) 10 | c) 7 | d) 16 | e) 17 |
| f) 14 | g) 13 | h) 5 | i) 12 | j) 6 |
| k) 18 | l) 9 | m) 3 | n) 4 | o) 15 |
| p) 8 | | | | |

B.

- | | | | | |
|-------|-------|-------|-------|------|
| a) 15 | b) 3 | c) 18 | d) 7 | e) 4 |
| f) 12 | g) 17 | h) 9 | i) 14 | j) 6 |
| k) 16 | l) 5 | m) 10 | n) 13 | o) 8 |
| p) 11 | | | | |

C.

- | | | | | |
|-------|-------|-------|-------|------|
| a) 12 | b) 8 | c) 16 | d) 12 | e) 9 |
| f) 17 | g) 13 | h) 13 | i) 17 | |

D.

- | | | | | |
|--------|-------|-------|--------|-------|
| a) 56 | b) 99 | c) 76 | d) 113 | e) 96 |
| f) 88 | g) 85 | h) 76 | i) 95 | j) 67 |
| k) 107 | l) 78 | | | |

E.

- | | | | | |
|--------|--------|--------|--------|--------|
| a) 865 | b) 867 | c) 779 | d) 597 | e) 598 |
| f) 447 | g) 778 | h) 966 | i) 848 | j) 869 |
| k) 586 | l) 956 | | | |

F.

- | | | | |
|------------------------|----------------------|---------------|-----------------|
| a) 8 metres, rectangle | b) 20 metres, square | c) 676 metres | d) 98 kilograms |
|------------------------|----------------------|---------------|-----------------|

CONGRATULATIONS!!

Now you have finished Unit 2.

TEST TIME!

Ask your instructor for the
Practice Test for this unit.
Once you've done the practice test,
you need to do the unit 2 test.
Again, ask your instructor for this.
Good luck!

