

# Unit 3

## Subtraction

# Topic A: Subtraction

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**Subtraction** takes an amount **away** from another amount. The result of subtraction is called the **difference**.

The **minus sign**  $-$  means to subtract.

$$\begin{array}{cccccccccccc} \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond & \diamond \\ 9 & - & 3 & = & 6 & & & & & & & \end{array}$$

says nine minus three equals six **or** nine take away three is six

The **difference** between 9 and 3 is 6.

Subtraction is the opposite of addition. Look at the examples:

$$5 + 4 = 9$$

$$4 + 5 = 9$$

$$9 - 4 = 5$$

$$9 - 5 = 4$$

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

$$\begin{array}{r} 11 \\ -3 \\ \hline 8 \end{array}$$

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

$$\begin{array}{r} 11 \\ -8 \\ \hline 3 \end{array}$$

**Subtraction facts** are a tool that you will use to do subtraction questions.

## Exercise One

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

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

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

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

d) 
$$\begin{array}{r} 1 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 8 \\ \underline{\underline{-2}} \end{array}$$

$$\begin{array}{r} \text{f)} \quad 9 \\ \underline{\underline{-7}} \end{array}$$

$$\begin{array}{r} \text{g)} \quad 4 \\ \underline{\underline{-3}} \end{array}$$

$$\begin{array}{r} \text{h)} \quad 6 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{i)} \quad 7 \\ \underline{\underline{-2}} \end{array}$$

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

$$\begin{array}{r} \text{k)} \quad 7 \\ \underline{\underline{-6}} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 8 \\ \underline{\underline{-7}} \end{array}$$

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

$$\begin{array}{r} \text{n)} \quad 7 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 3 \\ \underline{\underline{-0}} \end{array}$$

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

$$\begin{array}{r} \text{q)} \quad 4 \\ \underline{\underline{-2}} \end{array}$$

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

$$\begin{array}{r} \text{s)} \quad 9 \\ \underline{\underline{-5}} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 8 \\ \underline{\underline{-6}} \end{array}$$

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

$$\begin{array}{r} \text{v)} \quad 8 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 1 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 7 \\ \underline{\underline{-0}} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 9 \\ \underline{\underline{-9}} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 3 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 2 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 7 \\ \underline{\underline{-4}} \end{array}$$

**Answers to Exercise One**

a) 1	b) 1	c) 0	d) 1	e) 6	f) 2	g) 1
h) 5	i) 5	j) 0	k) 1	l) 1	m) 0	n) 6
o) 3	p) 0	q) 2	r) 4	s) 4	t) 2	u) 2
v) 7	w) 0	x) 7	y) 0	z) 2	aa) 1	bb) 3

**Exercise Two**

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

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

c) 
$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

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

e) 
$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

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

j) 
$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

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

l) 
$$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

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

o) 
$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 5 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 9 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 4 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 8 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 5 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 9 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 6 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 8 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 9 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 4 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 8 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 7 \\ \underline{-4} \end{array}$$

#### Answers to Exercise Two

a) 4	b) 8	c) 2	d) 2	e) 5	f) 3	g) 2
h) 3	i) 5	j) 1	k) 0	l) 9	m) 4	n) 0
o) 1	p) 0	q) 5	r) 7	s) 3	t) 3	u) 4
v) 6	w) 6	x) 0	y) 3	z) 4	aa) 8	bb) 3

### Exercise Three

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you – practice the.

$$\begin{array}{r} \text{a)} \quad 8 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{b)} \quad 5 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{c)} \quad 2 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{d)} \quad 4 \\ \underline{-3} \end{array}$$

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

$$\begin{array}{r} \text{f)} \quad 6 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{g)} \quad 7 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{h)} \quad 9 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{i)} \quad 9 \\ \underline{-0} \end{array}$$

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

$$\begin{array}{r} \text{k)} \quad 8 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 4 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{m)} \quad 7 \\ \underline{-7} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 2 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 6 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 9 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{q)} \quad 6 \\ \underline{-4} \end{array}$$

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

$$\begin{array}{r} \text{s)} \quad 9 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 8 \\ \underline{-7} \end{array}$$

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

$$\begin{array}{r} \text{v)} \quad 7 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 8 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 9 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 8 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 5 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 7 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 6 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 4 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 1 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 0 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 8 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 9 \\ \underline{-7} \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 6 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 9 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 7 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{kk)} \quad 9 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{ll)} \quad 8 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{mm)} \quad 7 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{nn)} \quad 5 \\ \underline{-1} \end{array}$$

**Answers to Exercise Three**

a) 4	b) 0	c) 1	d) 1	e) 0	f) 3	g) 1
h) 7	i) 9	j) 1	k) 0	l) 2	m) 0	n) 2
o) 5	p) 1	q) 2	r) 2	s) 0	t) 1	u) 1
v) 2	w) 5	x) 4	y) 2	z) 2	aa) 6	bb) 1
cc) 3	dd) 0	ee) 0	ff) 8	gg) 2	hh) 0	ii) 3
jj) 3	kk) 6	ll) 3	mm) 5	nn) 4		

## Exercise Four

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

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

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

g) 
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

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

j) 
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$$

n) 
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

r) 
$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

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

t) 
$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 11 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 12 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 10 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 11 \\ \underline{-6} \end{array}$$

#### Answers to Exercise Four

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

## Exercise Five

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

$$\begin{array}{r} \text{a)} \quad 12 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{b)} \quad 9 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{c)} \quad 11 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{d)} \quad 10 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{e)} \quad 8 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{f)} \quad 10 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{g)} \quad 12 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{h)} \quad 7 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{i)} \quad 9 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{j)} \quad 11 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{k)} \quad 9 \\ \underline{-7} \end{array}$$

$$\begin{array}{r} \text{l)} \quad 11 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{m)} \quad 10 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 9 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 12 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 11 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{q)} \quad 12 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 11 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 10 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 8 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 9 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 11 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 12 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 8 \\ \underline{-5} \end{array}$$

**Answers to Exercise Five**

a) 9	b) 3	c) 2	d) 5	e) 0	f) 7	g) 8
h) 1	i) 1	j) 6	k) 2	l) 8	m) 8	n) 0
o) 6	p) 9	q) 3	r) 5	s) 6	t) 4	u) 5
v) 3	w) 10	x) 3				

## Exercise Six

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

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

m) 
$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

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

o) 
$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

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

s) 
$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

t) 
$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 11 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 12 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 10 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{y)} \quad 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 11 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 10 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 12 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 11 \\ -3 \\ \hline \end{array}$$

#### Answers to Exercise Six

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

## Need more practice?

Practice your subtraction facts using dominoes. Place all the dominoes face down.

Flip over two dominoes and subtract.

## Exercise Seven

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

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

f) 
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

n) 
$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

r) 
$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

s) 
$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

t) 
$$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$$

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

$$\begin{array}{r} \text{v)} \quad 13 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 10 \\ -7 \\ \hline \end{array}$$

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

$$\begin{array}{r} \text{y)} \quad 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{z)} \quad 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 15 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 12 \\ -9 \\ \hline \end{array}$$

#### Answers to Exercise Seven

a) 8	b) 9	c) 5	d) 1	e) 0	f) 8	g) 4
h) 3	i) 9	j) 5	k) 6	l) 2	m) 1	n) 9
o) 2	p) 9	q) 8	r) 9	s) 8	t) 3	u) 3
v) 7	w) 3	x) 0	y) 4	z) 2	aa) 8	bb) 3

## Exercise Eight

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

$$\begin{array}{r} \text{a)} \quad 12 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 11 \\ -9 \\ \hline \end{array}$$

$$\text{e) } \begin{array}{r} 1 \\ \underline{\underline{-0}} \end{array}$$

$$\text{f) } \begin{array}{r} 8 \\ \underline{\underline{-1}} \end{array}$$

$$\text{g) } \begin{array}{r} 12 \\ \underline{\underline{-5}} \end{array}$$

$$\text{h) } \begin{array}{r} 11 \\ \underline{\underline{-2}} \end{array}$$

$$\text{i) } \begin{array}{r} 3 \\ \underline{\underline{-2}} \end{array}$$

$$\text{j) } \begin{array}{r} 11 \\ \underline{\underline{-8}} \end{array}$$

$$\text{k) } \begin{array}{r} 14 \\ \underline{\underline{-7}} \end{array}$$

$$\text{l) } \begin{array}{r} 8 \\ \underline{\underline{-3}} \end{array}$$

$$\text{m) } \begin{array}{r} 15 \\ \underline{\underline{-9}} \end{array}$$

$$\text{n) } \begin{array}{r} 9 \\ \underline{\underline{-7}} \end{array}$$

$$\text{o) } \begin{array}{r} 7 \\ \underline{\underline{-1}} \end{array}$$

$$\text{p) } \begin{array}{r} 11 \\ \underline{\underline{-5}} \end{array}$$

$$\text{q) } \begin{array}{r} 12 \\ \underline{\underline{-7}} \end{array}$$

$$\text{r) } \begin{array}{r} 10 \\ \underline{\underline{-8}} \end{array}$$

$$\text{s) } \begin{array}{r} 8 \\ \underline{\underline{-7}} \end{array}$$

$$\text{t) } \begin{array}{r} 6 \\ \underline{\underline{-5}} \end{array}$$

$$\text{u) } \begin{array}{r} 9 \\ \underline{\underline{-6}} \end{array}$$

$$\text{v) } \begin{array}{r} 7 \\ \underline{\underline{-3}} \end{array}$$

$$\text{w) } \begin{array}{r} 10 \\ \underline{\underline{-0}} \end{array}$$

$$\text{x) } \begin{array}{r} 9 \\ \underline{\underline{-1}} \end{array}$$

$$\text{y) } \begin{array}{r} 16 \\ \underline{\underline{-7}} \end{array}$$

$$\text{z) } \begin{array}{r} 9 \\ \underline{\underline{-2}} \end{array}$$

$$\text{aa) } \begin{array}{r} 9 \\ \underline{\underline{-0}} \end{array}$$

$$\text{bb) } \begin{array}{r} 8 \\ \underline{\underline{-4}} \end{array}$$

**Answers to Exercise Eight**

a) 9	b) 4	c) 6	d) 2	e) 1	f) 7	g) 7
h) 9	i) 1	j) 3	k) 7	l) 5	m) 6	n) 2
o) 6	p) 6	q) 5	r) 2	s) 1	t) 1	u) 3
v) 4	w) 10	x) 8	y) 9	z) 7	aa) 9	bb) 4

**Exercise Nine**

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

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

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

c) 
$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

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

g) 
$$\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$

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

j) 
$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 17 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{n)} \quad 6 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{o)} \quad 13 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{p)} \quad 4 \\ \underline{-2} \end{array}$$

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

$$\begin{array}{r} \text{r)} \quad 10 \\ \underline{-3} \end{array}$$

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

$$\begin{array}{r} \text{t)} \quad 5 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 15 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 3 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 16 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 9 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 13 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 7 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 12 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 4 \\ \underline{-0} \end{array}$$

**Answers to Exercise Nine**

a) 0	b) 1	c) 9	d) 5	e) 8	f) 3	g) 8
h) 5	i) 0	j) 4	k) 6	l) 1	m) 8	n) 6
o) 9	p) 2	q) 0	r) 7	s) 0	t) 4	u) 7
v) 2	w) 7	x) 4	y) 5	z) 3	aa) 6	bb) 4

## Exercise Ten

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

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

f) 
$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

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

l) 
$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

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

o) 
$$\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

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

s) 
$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$$

t) 
$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 13 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 2 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 9 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 17 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 14 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 1 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 12 \\ \underline{-8} \end{array}$$

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

$$\begin{array}{r} \text{cc)} \quad 8 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 10 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 13 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 7 \\ \underline{-4} \end{array}$$

**Answers to Exercise Ten**

a) 9	b) 0	c) 2	d) 7	e) 0	f) 8	g) 5
h) 6	i) 9	j) 6	k) 0	l) 7	m) 5	n) 2
o) 3	p) 1	q) 9	r) 1	s) 5	t) 1	u) 7
v) 0	w) 7	x) 9	y) 9	z) 1	aa) 4	bb) 2
cc) 2	dd) 4	ee) 9	ff) 3			

## Exercise Eleven

Check out your **subtraction facts** by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

a) 
$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

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

f) 
$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 6 \\ -0 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

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

n) 
$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

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

s) 
$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

t) 
$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 13 \\ \underline{\underline{-8}} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 9 \\ \underline{\underline{-4}} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 2 \\ \underline{\underline{-0}} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 8 \\ \underline{\underline{-5}} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 10 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 5 \\ \underline{\underline{-5}} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 11 \\ \underline{\underline{-5}} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 12 \\ \underline{\underline{-6}} \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 8 \\ \underline{\underline{-2}} \end{array}$$

$$\begin{array}{r} \text{dd)} \quad 7 \\ \underline{\underline{-1}} \end{array}$$

$$\begin{array}{r} \text{ee)} \quad 11 \\ \underline{\underline{-2}} \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 9 \\ \underline{\underline{-6}} \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 12 \\ \underline{\underline{-3}} \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 8 \\ \underline{\underline{-0}} \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 10 \\ \underline{\underline{-7}} \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 6 \\ \underline{\underline{-6}} \end{array}$$

$$\begin{array}{r} \text{kk)} \quad 14 \\ \underline{\underline{-9}} \end{array}$$

$$\begin{array}{r} \text{ll)} \quad 10 \\ \underline{\underline{-3}} \end{array}$$

$$\begin{array}{r} \text{mm)} \quad 8 \\ \underline{\underline{-7}} \end{array}$$

$$\begin{array}{r} \text{nn)} \quad 7 \\ \underline{\underline{-0}} \end{array}$$

**Answers to Exercise Eleven**

a) 9	b) 0	c) 3	d) 7	e) 5	f) 7	g) 2
h) 8	i) 8	j) 4	k) 6	l) 1	m) 2	n) 4
o) 4	p) 6	q) 8	r) 2	s) 8	t) 3	u) 5
v) 5	w) 2	x) 3	y) 9	z) 0	aa) 6	bb) 6
cc) 6	dd) 6	ee) 9	ff) 3	gg) 9	hh) 8	ii) 3
jj) 0	kk) 5	ll) 7	mm) 1	nn) 7		

**Need some extra practice?**

- Find a partner and play this card game.
- Using a regular deck of cards, a jack will be eleven, a queen will be twelve and a king will be thirteen.
- Shuffle the cards and deal them out. Keep your cards in a pile in front of you.
- Each player flips over a card.
- Take turns subtracting the numbers on the cards. If the person gets the right answer that person gets to keep the cards. If the person 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

Check out your subtraction facts by doing this exercise as quickly as you can. Use your addition facts to help find the subtraction facts. Check your work using the answer key at the end of the exercise. Then, make a list of any subtraction facts you do not know or which are slow for you and practice them.

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

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

c) 
$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

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

g) 
$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$$

n) 
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 12 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{r)} \quad 13 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{s)} \quad 6 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{t)} \quad 5 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{u)} \quad 13 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{v)} \quad 8 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{w)} \quad 10 \\ \underline{-0} \end{array}$$

$$\begin{array}{r} \text{x)} \quad 7 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{y)} \quad 11 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{z)} \quad 9 \\ \underline{-9} \end{array}$$

$$\begin{array}{r} \text{aa)} \quad 6 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{bb)} \quad 4 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{cc)} \quad 13 \\ \underline{-7} \end{array}$$

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

$$\begin{array}{r} \text{ee)} \quad 11 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{ff)} \quad 5 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{gg)} \quad 11 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{hh)} \quad 9 \\ \underline{-5} \end{array}$$

$$\begin{array}{r} \text{ii)} \quad 6 \\ \underline{-2} \end{array}$$

$$\begin{array}{r} \text{jj)} \quad 3 \\ \underline{-3} \end{array}$$

$$\begin{array}{r} \text{kk)} \quad 4 \\ \underline{-1} \end{array}$$

$$\begin{array}{r} \text{ll)} \quad 7 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{mm)} \quad 10 \\ \underline{-4} \end{array}$$

$$\begin{array}{r} \text{nn)} \quad 12 \\ \underline{-7} \end{array}$$

$$\begin{array}{r} \text{oo)} \quad 15 \\ \underline{-6} \end{array}$$

$$\begin{array}{r} \text{pp)} \quad 10 \\ \underline{-8} \end{array}$$

$$\begin{array}{r} \text{qq)} \quad 9 \\ \underline{-7} \end{array}$$

$$\begin{array}{r} \text{rr)} \quad 8 \\ \underline{-8} \end{array}$$

#### Answers to Exercise Twelve

a) 3	b) 8	c) 8	d) 2	e) 6	f) 1	g) 2
h) 0	i) 8	j) 7	k) 6	l) 7	m) 9	n) 6
o) 5	p) 7	q) 3	r) 8	s) 1	t) 5	u) 4
v) 4	w) 10	x) 4	y) 3	z) 0	aa) 5	bb) 0
cc) 6	dd) 1	ee) 7	ff) 1	gg) 5	hh) 4	ii) 4
jj) 0	kk) 3	ll) 1	mm) 6	nn) 5	oo) 9	pp) 2
qq) 2	rr) 0					

### 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.

# Subtracting Across

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

**Example:**

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

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

**Example:**  $9 - 5 = 4$

When you subtract numbers across, you work from left to right.

## Exercise One

Practice subtracting **across or horizontally**. Check your work using the answer key at the end of the exercise.

a)  $6 - 3 =$

b)  $12 - 8 =$

c)  $4 - 1 =$

d)  $8 - 6 =$

e)  $18 - 9 =$

f)  $11 - 4 =$

g)  $7 - 2 =$

h)  $16 - 7 =$

i)  $10 - 5 =$

j)  $2 - 0 =$

k)  $9 - 5 =$

l)  $17 - 8 =$

m)  $5 - 3 =$

n)  $14 - 9 =$

o)  $15 - 6 =$

p)  $3 - 1 =$

q)  $13 - 7 =$

r)  $1 - 0 =$

s)  $10 - 4 =$

t)  $6 - 2 =$

**Answers to Exercise One**

a) 3	b) 4	c) 3	d) 2	e) 9	f) 7	g) 5
h) 9	i) 5	j) 2	k) 4	l) 9	m) 2	n) 5
o) 9	p) 2	q) 6	r) 1	s) 6	t) 4	

**Exercise Two**

Practice subtracting **across or horizontally**. Check your work using the answer key at the end of the exercise

a)  $9 - 6 =$

b)  $14 - 5 =$

c)  $8 - 4 =$

d)  $7 - 1 =$

e)  $11 - 7 =$

f)  $5 - 0 =$

g)  $4 - 3 =$

h)  $15 - 8 =$

i)  $11 - 9 =$

j)  $10 - 2 =$

k)  $9 - 2 =$

l)  $8 - 3 =$

m)  $13 - 5 =$

n)  $12 - 6 =$

o)  $10 - 7 =$

p)  $7 - 4 =$

q)  $5 - 1 =$

r)  $16 - 8 =$

s)  $10 - 9 =$

t)  $6 - 0 =$

**Answers to Exercise Two**

a) 3	b) 9	c) 4	d) 6	e) 4	f) 5	g) 1
h) 7	i) 2	j) 8	k) 7	l) 5	m) 8	n) 6
o) 3	p) 3	q) 4	r) 8	s) 1	t) 6	

**Exercise Three**

Practice subtracting across or horizontally. Check your work using the answer key at the end of the exercise

a)  $3 - 2 =$

b)  $17 - 9 =$

c)  $14 - 7 =$

d)  $9 - 3 =$

e)  $12 - 5 =$

f)  $8 - 8 =$

g)  $6 - 1 =$

h)  $13 - 4 =$

i)  $11 - 6 =$

j)  $4 - 0 =$

k)  $8 - 1 =$

l)  $16 - 9 =$

m)  $7 - 0 =$

n)  $13 - 8 =$

o)  $12 - 3 =$

p)  $9 - 4 =$

q)  $15 - 7 =$

r)  $10 - 6 =$

s)  $11 - 5 =$

t)  $5 - 2 =$

**Answers to Exercise Three**

a) 1	b) 8	c) 7	d) 6	e) 7	f) 0	g) 5
h) 9	i) 5	j) 4	k) 7	l) 7	m) 7	n) 5
o) 9	p) 5	q) 8	r) 4	s) 6	t) 3	

# Word Problems

---

Learning subtraction facts is very important because once you know them all they become a tool to use when solving problems.

Words such as **less than**, **minus**, **subtracted from**, **how many more**, **how much more**, and **difference** tell you to subtract the numbers. Look for these words when reading word problems and underline them before trying to solve a problem. Circle the information that is given.

**Example:** There were 14 nails in a box. Lu used 7 of them. How many nails were still in the box?

There were 14 nails in a box. Lu used 7 of them. How many nails were still in the box?

You have circled 14 nails and 7. This is the information you will use to find the answer.

You have underlined “How many”. These words tell you to subtract.

$$\begin{array}{r} 14 \text{ nails} \\ - 7 \text{ nails} \\ \hline 7 \text{ nails} \end{array}$$

## Exercise One

Solve each of the following word problems. Be sure to underline the words that tell you to subtract. Circle the information that is given. Check your work using the answer key at the end of the exercise. Have your instructor check your underlining and circling.

- a) Wolfgang walked 11 blocks. Ingrid walked 6 blocks. Wolfgang walked how much farther than Ingrid?

- b) Mika and her father went fishing. Mika caught 18 fish and her father caught 9 fish. How many more fish did Mika catch?
- c) Kuan-Lin was making moon cakes for the class party. She needed 15 cakes for the party. On Monday she had made 7 moon cakes. How many moon cakes did she still need to make?
- d) Malik counted 12 cars in the parking lot where he worked. One hour later, he counted only 4 cars. How many cars left?
- e) There were 17 chairs in a room. Eight of them were being used. How many chairs were not being used?

- f) Amelie had \$12 in her wallet. She bought a latté for \$4. Find the difference.

**Answers to Exercise One**

- a) 5 blocks    b) 9 fish    c) 8 moon cakes  
d) 8 cars    e) 9 chairs    f) \$8

**A. Find the differences. Be sure to check your answers.****9 marks**

a) 
$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

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

i) 
$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$$

**B. Find the differences. Be sure to check your answers.****6 marks**

a)  $10 - 6 =$

b)  $7 - 5 =$

c)  $15 - 9 =$

d)  $9 - 4 =$

e)  $11 - 3 =$

f)  $10 - 7 =$

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) Shada caught 17 fish. She gave 8 fish to her grandmother. How many fish did she have left?

b) Yuan went to the store with \$15 to buy some rice. The rice cost \$6. How much did he have left?

c) Carlo had 13 metres of fencing. He used 8 metres around his flower garden. How many metres did he have left?

**Answers to Topic A Self-Test**

**A.**

- a) 8      b) 9      c) 6      d) 7      e) 6      f) 8  
g) 4      h) 2      i) 9

**B.**

- a) 4      b) 2      c) 6      d) 5      e) 8      f) 3

**C.**

- a) 9 fish      b) \$9      c) 5 metres

## Topic B: Subtraction of Larger Numbers

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You can find the difference between two large numbers using the basic subtraction facts you have been practicing. Always **take away** or subtract the **number after the minus sign**.

Use these steps to complete each subtraction question.

**Step 1:** Subtract the ones from the ones.

**Step 2:** Subtract the tens from the tens.

**Step 3:** Subtract the hundreds from the hundreds.

**Example A:**

$$\begin{array}{r} 57 \\ - 26 \\ \hline \end{array}$$

**Step 1:** Subtract the ones from the ones. 7 ones – 6 ones = 1 one

$$\begin{array}{r} 57 \\ - 26 \\ \hline 1 \end{array}$$

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

**Step 2:** Subtract the tens from the tens. 5 tens – 2 tens = 3 tens

$$\begin{array}{r} 57 \\ - 26 \\ \hline 31 \end{array}$$

The **difference** between 57 and 26 is **31**.

**Example B:**

$$\begin{array}{r} 628 \\ - 524 \\ \hline \end{array}$$

**Step 1:** Subtract the ones from the ones. 8 ones – 4 ones = 4 ones

$$\begin{array}{r} 628 \\ - 524 \\ \hline 4 \end{array}$$

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

**Step 2:** Subtract the tens. 2 tens – 2 tens = 0 tens

$$\begin{array}{r} 628 \\ - 524 \\ \hline 04 \end{array}$$

Write the answer in line with the tens in the question.  
The **0** must be placed in the answer to hold the tens place.

**Step 3:** Subtract the hundreds. 6 hundreds – 5 hundreds = 1 hundred

$$\begin{array}{r} 628 \\ - 524 \\ \hline 104 \end{array}$$

Write the answer in line with the hundreds in the question.  
The **difference** between 628 and 524 is **104**.

## Exercise One

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

a) 
$$\begin{array}{r} 87 \\ -36 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 29 \\ -21 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 48 \\ -40 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 99 \\ -63 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 75 \\ -45 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 73 \\ -20 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 92 \\ -21 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 58 \\ -27 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 84 \\ -23 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 69 \\ -38 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 45 \\ -23 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 49 \\ -19 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 59 \\ -14 \\ \hline \end{array}$$

n) 
$$\begin{array}{r} 87 \\ -63 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 88 \\ -15 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 56 \\ -44 \\ \hline \end{array}$$

q) 
$$\begin{array}{r} 96 \\ -75 \\ \hline \end{array}$$

r) 
$$\begin{array}{r} 37 \\ -17 \\ \hline \end{array}$$

s) 
$$\begin{array}{r} 70 \\ -50 \\ \hline \end{array}$$

t) 
$$\begin{array}{r} 38 \\ -24 \\ \hline \end{array}$$

u) 
$$\begin{array}{r} 31 \\ -10 \\ \hline \end{array}$$

v) 
$$\begin{array}{r} 27 \\ -12 \\ \hline \end{array}$$

w) 
$$\begin{array}{r} 74 \\ -53 \\ \hline \end{array}$$

x) 
$$\begin{array}{r} 45 \\ -20 \\ \hline \end{array}$$

**Answers to Exercise One**

a) 51	b) 8	c) 8	d) 36	e) 30	f) 53	g) 71
h) 31	i) 61	j) 31	k) 22	l) 30	m) 45	n) 24
o) 73	p) 12	q) 21	r) 20	s) 20	t) 14	u) 21
v) 15	w) 21	x) 25				

**Exercise Two**

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

$$\begin{array}{r} \text{a)} \quad 46 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 65 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 45 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 53 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 34 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 48 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 56 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 26 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 49 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 58 \\ -27 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 95 \\ -71 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 37 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 69 \\ -19 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 86 \\ -71 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 99 \\ -50 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 89 \\ -55 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 97 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 87 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 48 \\ -26 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 36 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 46 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 86 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 59 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 84 \\ -14 \\ \hline \end{array}$$

#### Answers to Exercise Two

a) 23	b) 23	c) 32	d) 33	e) 13	f) 16	g) 43
h) 11	i) 27	j) 31	k) 24	l) 23	m) 50	n) 15
o) 49	p) 34	q) 84	r) 62	s) 22	t) 25	u) 34
v) 43	w) 27	x) 70				

### Exercise Three

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

$$\begin{array}{r} \text{a)} \quad 23 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 53 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 32 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 77 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 31 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 38 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 33 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 92 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 94 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 54 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 74 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 88 \\ -72 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 46 \\ -36 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 75 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 85 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 56 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 64 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 27 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 76 \\ -53 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 63 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 52 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 57 \\ -44 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 69 \\ -46 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 77 \\ -42 \\ \hline \end{array}$$

**Answers to Exercise Three**

a) 12	b) 32	c) 12	d) 45	e) 10	f) 23	g) 20
h) 62	i) 71	j) 12	k) 41	l) 16	m) 10	n) 34
o) 73	p) 11	q) 42	r) 12	s) 23	t) 22	u) 11
v) 13	w) 23	x) 35				

## Exercise Four

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

a) 
$$\begin{array}{r} 476 \\ -413 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 873 \\ -560 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 589 \\ -384 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 793 \\ -170 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 228 \\ -123 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 995 \\ -452 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 896 \\ -450 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 769 \\ -405 \\ \hline \end{array}$$

i) 
$$\begin{array}{r} 788 \\ -435 \\ \hline \end{array}$$

j) 
$$\begin{array}{r} 579 \\ -234 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 958 \\ -403 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 696 \\ -251 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 657 \\ - 234 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 745 \\ - 412 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 967 \\ - 143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 456 \\ - 214 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 627 \\ - 512 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 878 \\ - 425 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 357 \\ - 130 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 725 \\ - 214 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 678 \\ - 623 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 526 \\ - 116 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 724 \\ - 221 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 429 \\ - 316 \\ \hline \end{array}$$

**Answers to Exercise Four**

a) 63	b) 313	c) 205	d) 623	e) 105	f) 543	g) 446
h) 364	i) 353	j) 345	k) 555	l) 445	m) 423	n) 333
o) 824	p) 242	q) 115	r) 453	s) 227	t) 511	u) 55
v) 410	w) 503	x) 113				

## Exercise Five

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

$$\begin{array}{r} \text{a)} \quad 543 \\ - 132 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 752 \\ - 150 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 328 \\ - 115 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 758 \\ - 341 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 587 \\ - 425 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 857 \\ - 143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 545 \\ - 302 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 466 \\ - 115 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 964 \\ - 231 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 679 \\ - 424 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 757 \\ - 136 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 467 \\ - 132 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 536 \\ - 325 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 897 \\ - 287 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 979 \\ - 465 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 907 \\ - 605 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 496 \\ - 144 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 778 \\ - 635 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 573 \\ - 232 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 859 \\ - 734 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 735 \\ - 420 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 912 \\ - 811 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 966 \\ - 732 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 578 \\ - 343 \\ \hline \end{array}$$

**Answers to Exercise Five**

a) 411	b) 602	c) 213	d) 417	e) 162	f) 714	g) 243
h) 351	i) 733	j) 255	k) 621	l) 335	m) 211	n) 610
o) 514	p) 302	q) 352	r) 143	s) 341	t) 125	u) 315
v) 101	w) 234	x) 235				

## Exercise Six

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

$$\begin{array}{r} \text{a)} \quad 353 \\ -142 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 896 \\ -675 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 786 \\ -325 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 743 \\ -623 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 548 \\ -336 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 685 \\ -143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 393 \\ -241 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 965 \\ -130 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 478 \\ -352 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 968 \\ -605 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 435 \\ -234 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 694 \\ -523 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m)} \quad 576 \\ -314 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n)} \quad 946 \\ -615 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o)} \quad 664 \\ -532 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p)} \quad 824 \\ - 513 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q)} \quad 768 \\ - 633 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r)} \quad 497 \\ - 335 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s)} \quad 985 \\ - 843 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t)} \quad 679 \\ - 436 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u)} \quad 598 \\ - 365 \\ \hline \end{array}$$

$$\begin{array}{r} \text{v)} \quad 984 \\ - 672 \\ \hline \end{array}$$

$$\begin{array}{r} \text{w)} \quad 569 \\ - 238 \\ \hline \end{array}$$

$$\begin{array}{r} \text{x)} \quad 747 \\ - 636 \\ \hline \end{array}$$

**Answers to Exercise Six**

a) 211	b) 221	c) 461	d) 120	e) 212	f) 542	g) 152
h) 835	i) 126	j) 363	k) 201	l) 171	m) 262	n) 331
o) 132	p) 311	q) 135	r) 162	s) 142	t) 243	u) 233
v) 312	w) 331	x) 111				

**A. Find the differences. Be sure to check your answers.****6 marks**

a) 
$$\begin{array}{r} 59 \\ - 33 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 27 \\ - 14 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 78 \\ - 23 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 93 \\ - 81 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 67 \\ - 45 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 86 \\ - 56 \\ \hline \end{array}$$

**B. Find the differences. Be sure to check your answers.****6 marks**

a) 
$$\begin{array}{r} 896 \\ - 422 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 788 \\ - 531 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 467 \\ - 126 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 549 \\ - 318 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 936 \\ - 725 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 654 \\ - 242 \\ \hline \end{array}$$

- 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) At noon the temperature was 34 degrees Celsius. At nine o'clock in the evening, it was 12 degrees Celsius. How many degrees did the temperature drop?

b) Misha's family is on a 179 kilometer trip. They have already gone 123 kilometers. How much farther do they have to go?

c) The Burj Khalifa in Dubai is one of the tallest buildings in the world at 828 metres. The Eiffel Tower in Paris is 324 metres tall. How much taller is the Burj Khalifa than the Eiffel Tower?

**Answers to Topic B Self-Test**

**A.**

- a) 26      b) 13      c) 55      d) 12      e) 22      f) 30

**B.**

- a) 474      b) 257      c) 341      d) 231      e) 211      f) 412

**C.**

- a) 22 degrees Celsius      b) 56 kilometres      c) 504 metres

## Unit 3 Review - Subtraction

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You will now practice all the skills you learned in Unit 3. Check your work using the answer key at the end of the review.

### A. Check out your subtraction facts.

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

b) 
$$\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$$

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

d) 
$$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

g) 
$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

h) 
$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

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

j) 
$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

k) 
$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

l) 
$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

m) 
$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$

n) 
$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

o) 
$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

p) 
$$\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$$

**B. Subtract across or horizontally.**

a)  $8 - 6 =$

b)  $12 - 5 =$

c)  $10 - 10 =$

d)  $9 - 8 =$

e)  $11 - 6 =$

f)  $8 - 4 =$

g)  $7 - 3 =$

h)  $14 - 9 =$

i)  $10 - 8 =$

j)  $8 - 5 =$

k)  $13 - 4 =$

l)  $15 - 7 =$

m)  $14 - 7 =$

n)  $7 - 1 =$

o)  $17 - 8 =$

p)  $13 - 7 =$

**C. Find the differences.**

a) 
$$\begin{array}{r} 45 \\ -23 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 78 \\ -15 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 84 \\ -52 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 57 \\ -10 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 78 \\ -21 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 69 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 96 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 88 \\ -35 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 95 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j)} \quad 45 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k)} \quad 85 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l)} \quad 87 \\ -45 \\ \hline \end{array}$$

**D. Find the differences**

$$\begin{array}{r} \text{a)} \quad 583 \\ -163 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 799 \\ -265 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 629 \\ -305 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 847 \\ -406 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 978 \\ -252 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 797 \\ -652 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g)} \quad 765 \\ -243 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h)} \quad 854 \\ -344 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i)} \quad 536 \\ -314 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j) } \quad 897 \\ - 246 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k) } \quad 669 \\ - 238 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l) } \quad 769 \\ - 564 \\ \hline \end{array}$$

### E. Word Problems

- a) One week, Tiago changed 258 light bulbs in the building. The next week, Tiago changed 141 light bulbs. How many more bulbs did Tiago change the first week?
- b) Anoki drove 769 kilometres while his friend Dasan drove 534 kilometres on their trip. How many more kilometres did Anoki drive?

**Answers to Unit 3 Review**

**A.**

- |      |      |      |      |      |
|------|------|------|------|------|
| a) 3 | b) 1 | c) 2 | d) 4 | e) 9 |
| f) 7 | g) 8 | h) 5 | i) 0 | j) 6 |
| k) 9 | l) 3 | m) 8 | n) 6 | o) 7 |
| p) 7 |      |      |      |      |

**B.**

- |      |      |      |      |      |
|------|------|------|------|------|
| a) 2 | b) 7 | c) 0 | d) 1 | e) 5 |
| f) 4 | g) 4 | h) 5 | i) 2 | j) 3 |
| k) 9 | l) 8 | m) 7 | n) 6 | o) 9 |
| p) 6 |      |      |      |      |

**C.**

- |       |       |       |       |       |
|-------|-------|-------|-------|-------|
| a) 22 | b) 63 | c) 32 | d) 47 | e) 57 |
| f) 26 | g) 51 | h) 53 | i) 62 | j) 30 |
| k) 54 | l) 42 |       |       |       |

**D.**

- |        |        |        |        |        |
|--------|--------|--------|--------|--------|
| a) 420 | b) 534 | c) 324 | d) 441 | e) 726 |
| f) 145 | g) 522 | h) 510 | i) 222 | j) 651 |
| k) 431 | l) 205 |        |        |        |

**E.**

- |                    |                   |
|--------------------|-------------------|
| a) 117 light bulbs | b) 235 kilometres |
|--------------------|-------------------|

## **CONGRATULATIONS!!**

Now you have finished Unit 3.

## **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 3 test.  
Again, ask your instructor for this.  
Good luck!