

Book 3 Review

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

If you can't remember how to do a question, go back to the lesson on this topic to refresh your memory. The unit and topic for each question is listed.

Example: **1-B** means Unit 1, Topic B

2-A

A. Find the products.

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

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

c)
$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

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

d)
$$\begin{array}{r} 6 \\ \times 10 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

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

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

2-B

B. Find the products.

a)
$$\begin{array}{r} 71 \\ \times 3 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 623 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 8\,431 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 5\,231 \\ \times 3 \\ \hline \end{array}$$

C. Find the products.

$$\begin{array}{r} \text{a)} \quad 68 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 457 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 9\,346 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 1\,329 \\ \times 4 \\ \hline \end{array}$$

2-C

D. Find the products.

$$\begin{array}{r} \text{a)} \quad 45 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 542 \\ \times 38 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 3\,829 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 463 \\ \times 179 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 6\,314 \\ \times 231 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 1\,425 \\ \times 537 \\ \hline \end{array}$$

E. Find the products. Use the shortcut.

$$\begin{array}{r} \text{a)} \quad 1\,000 \\ \times 792 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 9\,264 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 1\,000 \\ \times 85 \\ \hline \end{array}$$

$$\text{d)} \quad 3\,609 \times 10 =$$

$$\text{e)} \quad 100 \times 259 =$$

$$\text{f)} \quad 10 \times 46 =$$

$$\text{g)} \quad 5\,719 \times 1\,000 =$$

2-D

F. Find an estimated product.

$$\begin{array}{r} \text{a)} \quad 72 \\ \times 38 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 574 \\ \times 83 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c)} \quad 5\,492 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d)} \quad 792 \\ \times 901 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e)} \quad 8\,560 \\ \times 193 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f)} \quad 29\,492 \\ \times 585 \\ \hline \end{array}$$

2-E

G. Word Problems.

- a) The Great Belt Suspension Bridge in Denmark is 1 624 metres long. How many metres will 24 trucks travel crossing the bridge?
- b) How many cans of peaches are needed to pack 300 boxes if each box has 3 rows and each row has 6 cans? (2 step question)
- c) The Krubera Cave in Georgia is the deepest cave in the world at 2 191 metres. Estimate how many metres 348 visitors will cover going down to the cave.

3-A**H. Complete this chart.**

	Multiplication	Division	Division	“Say”
a)	$3 \times 8 = 15$ $8 \times 3 = 15$	$24 \div 8 = 3$ $24 \div 3 = 8$	$\begin{array}{r} 3 \\ 8 \overline{)24} \\ \underline{24} \\ 0 \end{array}$ $\begin{array}{r} 8 \\ 3 \overline{)24} \\ \underline{24} \\ 0 \end{array}$	<i>24 divided by 8 is 3</i> <i>24 divided by 3 is 8</i>
b)	$7 \times 5 = 35$			
c)	$9 \times 3 = 27$			

I. Give the answer.

a) $28 \div 4 =$

b) $18 \div 6 =$

c) $64 \div 8 =$

d) $9 \overline{)81}$

e) $5 \overline{)40}$

f) $3 \overline{)21}$

J. Find the quotients.

a) $8 \overline{)60}$

b) $5 \overline{)49}$

c) $9\overline{)43}$

d) $3\overline{)19}$

3-B

K. Using the following list of numbers, answer questions a, b, c and d.

96, 345, 3 816, 6 815, 38 433, 95 373

a) Which numbers are divisible by 2?

b) Which numbers are divisible by 3?

c) Which numbers are divisible by 5?

d) Which numbers are divisible by 9?

3-C

L. Find the quotients.

a) $3\overline{)963}$

b) $2\overline{)682}$

c) $4\overline{)844}$

d) $5\overline{)550}$

M. Find the quotients.

a) $9\overline{)387}$

b) $6\overline{)492}$

c) $5\overline{)915}$

d) $7\overline{)469}$

N. Find the quotients.

a) $8\overline{)832}$

b) $4\overline{)836}$

c) $3\overline{)927}$

d) $2\overline{)416}$

O. Find the quotients. Check your answers using multiplication.

a) $5\overline{)92}$

b) $7\overline{)86}$

c) $4\overline{)73}$

d) $6\overline{)91}$

P. Find the quotients.

a) $3\overline{)851}$

b) $8\overline{)509}$

c) $2\overline{)407}$

d) $7\overline{)954}$

3-D

Q. Find the quotients.

a) $24\overline{)480}$

b) $58\overline{)928}$

c) $36 \overline{)1\,944}$

d) $73 \overline{)37\,668}$

R. Find the quotients.

a) $10 \overline{)683}$

b) $1\,000 \overline{)41\,839}$

c) $100 \overline{)13\,041}$

d) $1\,000 \overline{)63\,125}$

S. Find the quotients.

a) $348 \overline{)8\,010}$

b) $483 \overline{)27\,150}$

c) $753 \overline{)619\,345}$

d) $73 \overline{)37\,668}$

3-E**T. Give an estimated quotient. Show your rounding where needed.**

a) $30 \overline{)63\,000}$

b) $7\,000 \overline{)8\,400\,000}$

c) $58 \overline{)2\,894}$

d) $438 \overline{)23\,689}$

e) $768 \overline{)63\,875}$

f) $896 \overline{)80\,986}$

U. Word Problems.

- a) A satellite orbits the moon every 58 minutes. How many complete orbits does it make 6 728 minutes?

b) If it takes 73 hours to make a snow blower. How many snow blowers can be made in 47 815 hours?

c) There were 10 780 tickets sold at the game. There were 150 tickets in each roll. How many complete rolls of tickets were used? How many were sold from the next roll?

V. Solve the cost per unit price.

a) 6 packages of rice for \$12

b) 2 tubs of yogurt for \$8

W. Solve the unit price and then underline the best buy.

- a) Dog food
8 kilograms for \$16
15 kilograms for \$45

- b) Movies
9 movies for \$162
3 movies for \$48

4-B

X. Circle the number of coins or bills you would need to get from the first number to the second number. Make sure to use the least number of coins or bills.

- a) \$58 to \$60



b) \$41 to \$50



c) \$78 to \$90



Y. State the number and kind of coins and bills you would need to get from the first number to the second number. Make sure you use the least number of coins and bills as possible.

a) \$38 to \$40

b) \$21 to \$40

c) \$76 to \$100

Z. State the number and kind of coins and bills you would need to get change from the second number. Make sure you use the least number of coins and bills as possible.

a) \$43 to \$100

Need	To get to

b) \$23 to \$80

Need	To get to

c) \$58.37 to \$100

Need	To get to

d) \$62.71 to \$100

Need	To get to

AA. State the number and kind of coins and bills you would need to get change from \$100. Make sure you use the least number of coins and bills as possible.

a)

bread maker for \$61.59

b)

shop vacuum cleaner for \$84.43

c) Mrs. Chui bought building blocks for \$33.44. How much change will she get from \$100?

4-C

BB. Convert the time units and write the answers in the *simplest form*.

a) 144 h = _____ d

b) 6 000 s = _____ h, _____ min

c) 260 min = _____ h, _____ min

d) 2 169 d = _____ y, _____ d

e) 3 d, 56 h = _____ d, _____ h

f) 911 h = _____ d, _____ h

CC. Convert the time units.

a) 5 d = _____ h

b) 3 h, 30 min = _____ min

c) 5 y, 10 d = _____ d

d) 4 min, 12 s = _____ s

e) 5 d, 6 h = _____ h

f) 2 h, 45 min = _____ min

DD. Add the times and write the answers in the *simplest form*.

$$\begin{array}{r} \text{a)} \quad 5 \text{ h, } 42 \text{ min} \\ + 2 \text{ h, } 35 \text{ min} \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 3 \text{ h, } 21 \text{ min, } 49 \text{ s} \\ + 2 \text{ h, } 56 \text{ min, } 32 \text{ s} \\ \hline \end{array}$$

EE. Subtract these units of time and write the answers in the *simplest form*.

$$\begin{array}{r} \text{a)} \quad 8 \text{ h, } 19 \text{ min} \\ - 5 \text{ h, } 47 \text{ min} \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 15 \text{ h, } 08 \text{ min, } 27 \text{ s} \\ - 7 \text{ h, } 17 \text{ min, } 39 \text{ s} \\ \hline \end{array}$$

FF. Multiply and write the answers in simplest form. Check your work using the answer key at the end of the exercise.

$$\begin{array}{r} \text{a)} \quad 8 \text{ min, } 12 \text{ s} \\ \quad \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \quad 4 \text{ h, } 36 \text{ min, } 49 \text{ s} \\ \quad \times 5 \\ \hline \end{array}$$

4-D

GG. Circle the letter of the most reasonable measure.

- | | |
|------------------------------------|------------------------|
| a) Depth of the ocean | b) Thickness of string |
| a) 3 926 mm | a) 5 mm |
| b) 3 926 km | b) 5 cm |
| c) 3 926 m | c) 5 m |
|
 | |
| c) Distance from the earth to moon | d) Length of a banana |
| a) 3 476 m | a) 15 km |
| b) 3 476 mm | b) 15 mm |
| c) 3 476 km | c) 15 cm |

HH. Choose the most reasonable measure.

- | | |
|--|-----------------------------|
| a) A spoonful of medicine | b) A bottle of orange juice |
| a) 5 L | a) 4 mL |
| b) 5 mL | b) 4 L |
| c) 50 mL | c) 40 L |
|
 | |
| c) A tube of toothpaste holds 130 _____. | |
|
 | |
| d) The gas tank of a car holds 70 _____. | |

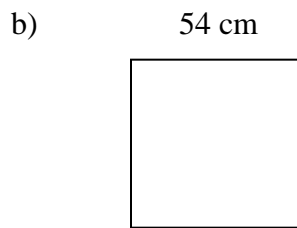
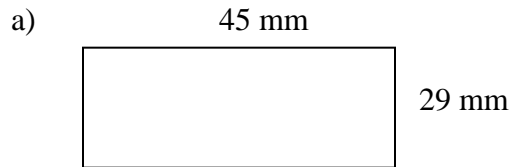
II. Choose the most reasonable measure.

- | | |
|---|-----------------|
| a) A sugar cube has mass of | b) A cat weighs |
| a) 1 g | a) 7 mg |
| b) 10 g | b) 7 kg |
| c) 10 kg | c) 7 g |
|
 | |
| c) A headache pill has 375 _____ of medicine. | |

JJ. Write the base unit of measure and then the prefix if one is needed.

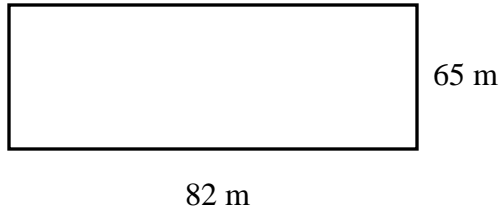
	Item	Base	Prefix (if needed)
a	Thickness of a rope		
b	Water in a bathtub		
c	A bag of rice		
d	Length of a table		

KK. Find the area of each shape.

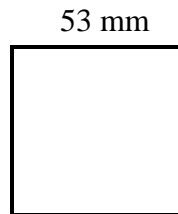


LL. Find the perimeter and area of each shape.

a)



b)



c) Tiananmen Square measures 880 metres by 500 metres. Find the perimeter and area of Tiananmen Square.

d) Andr e wants to build a square patio whose side is 13 m. Find the perimeter and area of her new patio.

Answers to Book 3 Review

A.

- a) 36 b) 56 c) 12 d) 45 e) 60
 f) 0 g) 32 h) 10 i) 100

B.

- a) 213 b) 1 869 c) 16 862 d) 15 693

C.

- a) 340 b) 2 742 c) 65 422 d) 5 316

D.

- a) 1 170 b) 20 596 c) 199 108 d) 82 877
 e) 1 458 534 f) 765 225

E.

- a) 792 000 b) 926 400 c) 85 000 d) 36 090
 e) 25 900 f) 460 g) 5 719 000

F.

- a) $70 \times 40 = 2\,800$ b) $600 \times 80 = 48\,000$
 c) $5\,000 \times 90 = 450\,000$ d) $800 \times 900 = 720\,000$
 e) $9\,000 \times 200 = 1\,800\,000$ f) $30\,000 \times 600 = 18\,000\,000$

G.

- a) 38 976 metres b) 5 400 cans c) 600 000 metres

H.

	Multiplication	Division	Division	“Say”
a)	$3 \times 8 = 15$	$24 \div 8 = 3$	$\begin{array}{r} 3 \\ 8 \overline{)24} \end{array}$	24 divided by 8 is 3
	$8 \times 3 = 15$	$24 \div 3 = 8$	$\begin{array}{r} 8 \\ 3 \overline{)24} \end{array}$	24 divided by 3 is 8
b)	$7 \times 5 = 35$	$35 \div 5 = 7$	$\begin{array}{r} 7 \\ 5 \overline{)35} \end{array}$	35 divided by 5 is 7
	$5 \times 7 = 35$	$35 \div 7 = 5$	$\begin{array}{r} 5 \\ 7 \overline{)35} \end{array}$	35 divided by 7 is 5
c)	$9 \times 3 = 27$	$27 \div 3 = 9$	$\begin{array}{r} 9 \\ 3 \overline{)27} \end{array}$	27 divided by 3 is 9
	$3 \times 9 = 27$	$27 \div 9 = 3$	$\begin{array}{r} 3 \\ 9 \overline{)27} \end{array}$	27 divided by 9 is 3

I.

- a) 7 b) 3 c) 8 d) 9 e) 8 f) 7

J.

- a) 7 R4 b) 9 R4 c) 4 R7 d) 6 R1

K.

- a) 96, 3 816 b) 96, 345, 3 816, 38 433, 95 373 c) 345, 6 815
d) 3 816, 95 373

L.

- a) 321 b) 341 c) 211 d) 110

M.

- a) 43 b) 82 c) 183 d) 67

N.

- a) 104 b) 209 c) 309 d) 208

O.

- a) 18 R2 b) 12 R2 c) 18 R1 d) 15 R1

P.

- a) 283 R2 b) 63 R5 c) 203 R1 d) 136 R2

Q.

- a) 20 b) 16 c) 54 d) 516

R.

- a) 68 R3 b) 418 R839 c) 130 R41 d) 63 R125

S.

- a) 23 R6 b) 56 R102 c) 822 R379 d) 516

T.

- a) 2 100 b) 1 200 c) $30\,000 \div 60 = 50$
d) $24\,000 \div 400 = 60$ e) $64\,000 \div 800 = 80$ f) $81\,000 \div 900 = 90$

U.

- a) 116 orbits b) 655 snow blowers c) 71 full rolls, 130 tickets

V.

- a) \$2 b) \$4

W.

- a) \$2, \$3, 8 kilograms for \$16 b) \$18, \$16, 3 movies for \$48

X.

- a) 1 twonie b) 2 twonies, 1 - \$5 c) 1 twonie, 1 - \$10

Y.

- a) 1 twonie b) 2 twonies, 1 - \$5, 1 - \$10, c) 2 twonies, 1 - \$20 d)

Z. a) \$43 to \$100

Need	To get to
1 twonie	\$45
1 - \$5	\$50
1 - \$10	\$60
2 - \$20	\$100

b) \$23 to \$80

Need	To get to
1 twonie	\$25
1 - \$5	\$30
1 - \$10	\$40
2 - \$20	\$80

c) \$58.37 to \$100

Need	To get to
3 pennies	\$58.40
1 dime	\$58.50
2 quarters	\$59.00
1 loonie	\$60.00
2 - \$20	\$100.00

d) \$62.71 to \$100

Need	To get to
4 pennies	\$62.75
1 quarter	\$63.00
1 twonie	\$65.00
1 - \$5	\$70.00
1 - \$10	\$80.00
1 - \$20	\$100.00

AA.

- a) 1 penny, 1 nickel, 1 dime, 1 quarter, 1 loonie, 1 twonie, 1 - \$5, 1 - \$10, 1 - \$20
- b) 2 pennies, 1 nickel, 2 quarters, 1 - \$5, 1 - \$10
- c) 1 penny, 1 nickel, 2 quarters, 1 loonie, 1 - \$5, 3 - \$20

BB.

- a) 6 d b) 1 h, 40 min c) 4 h, 20 min d) 5 y, 344 d
- e) 5 d, 8 h f) 37 d, 23 h

CC.

- a) 120 h b) 210 min c) 1 835 d d) 252 s
- e) 126 h f) 165 min

DD.

- a) 8 h, 17 min b) 6 h, 18 min, 21 s

EE.

- a) 2 h, 32 min b) 7 h, 50 min, 48 s

FF.

- a) 32 min, 48 s b) 23 h, 04 min, 05 s

GG.

- a) c b) a c) c d) c

HH.

- a) b b) b c) mL d) L

II.

- a) a b) b c) mg

JJ.

	Item	Base	Prefix (if needed)
a	Thickness of a rope	m	m
b	Water in a bathtub	L	
c	A bag of rice	g	k
d	Length of a table	m	c

KK.

- a) $1\,305\text{ mm}^2$ b) $2\,916\text{ cm}^2$

LL.

- a) $P = 294\text{ m}, A = 5\,330\text{ m}^2$ b) $P = 212\text{ mm}, A = 2\,809\text{ mm}^2$
c) $P = 2\,760\text{ m}, A = 440\,000\text{ m}^2$ d) $P = 52\text{ m}, A = 169\text{ m}^2$

CONGRATULATIONS!!

Now you have finished Book 3.

TEST TIME!

Ask your instructor for the Practice Test for this book.

Once you've done the practice test,
you need to do the end test.

Again, ask your instructor for this.

Good luck!

