

# Book Four Final Review

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**You will now practice all the skills you learned in Book 4.** You can use this as a review for your final test.

**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 where each question came from is listed next to the question.

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

## 1-B

### 1. Write as decimals

- a) Fifty-seven hundredths \_\_\_\_\_
- b) Six hundred ninety-five thousandths \_\_\_\_\_
- c) Eight tenths \_\_\_\_\_
- d) Three and two hundred six thousandths \_\_\_\_\_
- e)  $\frac{3142}{10000}$  \_\_\_\_\_
- f)  $\frac{24}{1000}$  \_\_\_\_\_
- g)  $9\frac{12}{100}$  \_\_\_\_\_
- h)  $36\frac{5}{1000}$  \_\_\_\_\_

### 2. Write as common fractions and in words

Example: 0.4     $\frac{4}{10}$     *four tenths*

- a) 0.7    \_\_\_\_\_
- b) 7.3    \_\_\_\_\_

- |            |       |       |
|------------|-------|-------|
| c) 0.41    | _____ | _____ |
| d) 6.938   | _____ | _____ |
| e) 5.011   | _____ | _____ |
| f) 42.104  | _____ | _____ |
| g) 0.3821  | _____ | _____ |
| h) 23.0501 | _____ | _____ |

**Write the amount of money with numerals, using a \$**

**3.**

- |  |       |
|--|-------|
| i) seven dollars and twenty-four cents | _____ |
| j) eighty-one cents                    | _____ |
| k) four cents                          | _____ |
| l) two hundred thirty-three cents      | _____ |

**1-C**

**Cross out any extra zeros that are not needed**

**4.**

- |             |            |
|-------------|------------|
| a) 314.6090 | b) 0.0710  |
| c) 00.59    | d) 087.070 |

**5. Show which number is larger by using < or >**

- |                     |                      |
|---------------------|----------------------|
| a) 0.736 ____ 0.763 | b) 0.006 ____ 0.06   |
| c) 0.141 ____ 0.114 | d) 6.972 ____ 6.0972 |

**6. Show if each pair of decimals is equal (=) or not equal (≠)**

a)  $1.51 \underline{\hspace{1cm}} 1.051$

b)  $0.87 \underline{\hspace{1cm}} 0.870$

c)  $2.43 \underline{\hspace{1cm}} 22.43$

d)  $0.952 \underline{\hspace{1cm}} 0.925$

**7. Round each of the following to the nearest whole number**

a)  $8.17 \underline{\hspace{2cm}}$

b)  $32.453 \underline{\hspace{2cm}}$

c)  $0.6 \underline{\hspace{2cm}}$

**8. Round each of the following to the nearest tenth**

a)  $1.559 \underline{\hspace{2cm}}$

b)  $0.919 \underline{\hspace{2cm}}$

c)  $0.145 \underline{\hspace{2cm}}$

**9. Round each of the following to the nearest hundredth**

a)  $72.013 \underline{\hspace{2cm}}$

b)  $0.779 \underline{\hspace{2cm}}$

c)  $0.4685 \underline{\hspace{2cm}}$

**10. Round each of the following to the nearest thousandth**

a)  $0.2795 \underline{\hspace{2cm}}$

b)  $8.2039 \underline{\hspace{2cm}}$

c)  $0.0108 \underline{\hspace{2cm}}$

**2-A**

**11. Find the sum**

a) 
$$\begin{array}{r} 34.972 \\ 17.08 \\ 6.3 \\ + 76.504 \\ \hline \end{array}$$

b)  $28.53 + 8.927 + 13.554 + 691 =$

c) 
$$\begin{array}{r} 100.456 \\ 36.29 \\ 298.214 \\ + 42.942 \\ \hline \end{array}$$

d)  $34.53 + 56.236 + 99.002 + 241.4 =$

**2-B****12. Find the difference**

a) 
$$\begin{array}{r} 83.026 \\ - 41.893 \\ \hline \end{array}$$

b)  $79 - 25.086 =$

c)  $172.257 - 69.088 =$

d)  $93.08 - 25.49 =$

**13. Solve the following word problems**

a) Sylvia bikes 2 times a week. On Monday she biked 25.8 km, and then on Friday, she biked 34.5 km. How far did she bike in total?

b) Find the monthly costs of owning and operating a truck.

Monthly truck payment: \$156.73

Monthly insurance cost: \$89.03

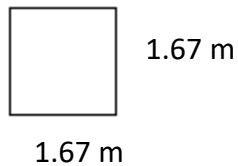
Average gasoline bill per month: \$ 208.35

c) The average height of people in Denmark is 1.83 m. The average height of people in Canada is 1.79 m. How much greater is the average height in Denmark than the average height in Canada?

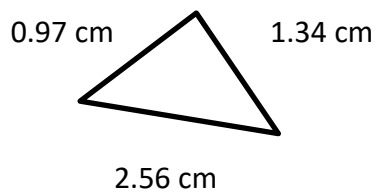
d) A pair of eyeglasses cost a total of \$346.98. The frames of the glasses are \$234.56. How much do the lenses cost?

e) Joseph bought three books at the college books store. They cost \$35.06, \$14.92 and \$50.73. He paid with 6 \$20 bills. How much did he get back in change?

f) Find the perimeter.



g) Find the perimeter.



## 2-C

### 1. Complete a bank record using this information

Arrange the information in **chronological** order. That means put the information with the earliest date first, then the next date, and so on.


The balance forward is \$621.95.

#### Debit Card withdrawals and Cheques (cheques will have cheque number):

3/9		Pharmacy	\$28.81
4/9	#207	ABE Aquatic Centre	\$101.00
16/9		Car Payment	\$291.00
2/9		Sally's Clothing Store	\$132.55
23/9	#208	Rogers Cable Vision	\$74.32
8/9		Cash	\$150.00

#### Deposits:

31/9	Pay Deposit	\$997.26
15/9	Pay Deposit	\$948.74

DATE	CHEQUE NO.	DEBIT OR CHEQUE DESCRIPTION OR DESCRIPTION OF DEPOSIT	CHEQUE/DEBIT AMOUNT		DEPOSIT AMOUNT	BALANCE
		<b>BALANCE FORWARD</b>				

- 14. Use this blank cheque to write out cheque #208 from question #13.  
Use any name and address you wish.**

Your name _____		
Your address _____		
Your phone number _____	20 _____	No. _____
PAY TO THE ORDER OF _____ \$ _____		
_____		DOLLARS 100
ABE Bank 123 Any Street Our Town, BC	Account # 456-789-0	<b><i>SAMPLE ONLY</i></b>
MEMO _____		

### 3-C

#### 15. Find the product

a) 
$$\begin{array}{r} 3.56 \\ \times 48 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 23.51 \\ \times 0.8 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 0.7059 \\ \times 4.6 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 435.92 \\ \times 1.4 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 45.02 \\ \times 2.14 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 2.583 \\ \times 36 \\ \hline \end{array}$$

#### 16. Find the area of the following rectangles

a)  $l = 4.15 \text{ cm}$   
 $w = 36.72 \text{ cm}$

b)  $l = 4.67 \text{ m}$   
 $w = 5.9 \text{ m}$

c)  $l = 4.18 \text{ m}$   
 $w = 19.2 \text{ m}$

### 17. Solve the following problems

- a) Shiv worked 40.5 hours last week. His hourly wage is \$22.19. How much is his pay before taxes?
  
  
  
  
  
  
  
  
  
  
- b) If 3 460 people visited the fair each week, how many people came to the fair for the whole 4.5 weeks it was open?
  
  
  
  
  
  
  
  
  
  
- c) A math textbook costs \$12.87 (including the HST). If 14 students in the class each buy a book, how much money did the bookstore get?
  
  
  
  
  
  
  
  
  
  
- d) A plot of land measures 30.48 m by 45.72 m. Calculate the area of the land, rounded to two decimal places.
  
  
  
  
  
  
  
  
  
  
- e) A pool is 25.8 m by 22.5m. Measure its perimeter and area.



**4-A****18. Solve the following division questions**

a)  $7.83 \div 6 =$

b)  $4 \overline{)9.48}$

c)  $504 \div 0.08 =$

d)  $40.3 \overline{)94.302}$

e)  $33.2543 \div 2.9 =$

f)  $3.8 \overline{)32.034}$

**19. Solve the following word problems**

a) Lucy walked 12.75 km over 5 days. How far did she walk each day?

b) An order was placed for 125 custom-made beeswax candles. Erin can make 2.5 candles in an hour. How many hours will it take Erin to make 125 candles?

- c) A patient is to take 48.75 ml of medicine per day in 3 equally divided doses. How much medicine is to be taken in each dose?

- d) Examine the following rain fall chart:

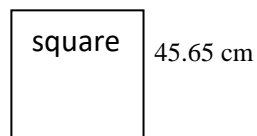
Date	Amount of rain in mm
January 10	15.5 mm
January 14	2.4 mm
January 19	10.73 mm
January 24	1.9 mm
January 29	13.05 mm

- i) How much did it rain in total in January?
- ii) If all the rain in January was spread out evenly between each of the 31 days of the month, how much rain fell each day? Round your answer to two decimal places.

- e) Find: i) area ii) perimeter.



- f) Find: i) area ii) perimeter.



## 5-A

### 20. Unit Pricing Question

- a) Marissa wants to buy some juice. She can't decide between apple juice and orange juice. Calculate what the unit price is on each of these two brands, to the nearest cent, to decide which of these is the better buy.

Apple Juice is 5 L for \$8.79

Orange Juice is 4 L for \$7.29

- b) Are the socks cheaper if they are bought as 5 pairs of socks in a package for \$12.87, or 1 pair of socks for \$2.99?

## 6-A & B

### 21. Fill in the following chart

UNIT	SYMBOL	MEASURES	EXAMPLES
METRES			
LITRES			
GRAMS			
SECONDS			

### 22. Prefixes have been combined with base units in this question. Write the meaning and the symbol. The first one is done for you.

- a) centimeter = one hundredth of a metre = cm
- b) hectogram = \_\_\_\_\_ = \_\_\_\_\_
- c) decimeter = \_\_\_\_\_ = \_\_\_\_\_
- d) milligram = \_\_\_\_\_ = \_\_\_\_\_
- e) decameter = \_\_\_\_\_ = \_\_\_\_\_
- f) kilometer = \_\_\_\_\_ = \_\_\_\_\_

**23. Put the metric prefixes on the chart according to their place value**

\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / base unit \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**6-C**

**24. Convert the following**

- a) 45 daL      \_\_\_\_\_      L
- b) 57 g      \_\_\_\_\_      cg
- c) 101 cm      \_\_\_\_\_      mm
- d) 49 mL      \_\_\_\_\_      hL
- e) 255 mm      \_\_\_\_\_      m
- f) 5 km      \_\_\_\_\_      dm
- g) 0.75 kg      \_\_\_\_\_      g

**25. Write the measurements using only one unit**

- a) 4 km, 29 m      =      \_\_\_\_\_
- b) 17 L, 95 cL      =      \_\_\_\_\_

**26. Answer using only one unit.**

a)      391 cg  
    + 138 mg  
    \_\_\_\_\_

b)      783 daL  
    - 68 mL  
    \_\_\_\_\_

c) 
$$\begin{array}{r} 5 \text{ km} \\ + 99 \text{ m} \\ \hline \end{array}$$

d)  $6\,075\text{ cm} \div 75\text{ mm} = \underline{\hspace{2cm}}$

**27. Answer the following word problems**

- How much fencing is needed to enclose a square field 45.6 m on each side?
- Find the perimeter of the top of a square cd case if the length of one side is 17.78 cm.
- A metal strip is being installed around three work benches that are 3.46 metres long and 1.2 metres wide. How much metal stripping is needed?

d) If the stripping in question d) costs \$6.67 per metre, find the total cost of the stripping.

e) Gerald is framing a picture. The frame measures 50.8 cm by 34.5 cm. Find out how many square cm of glass he needs to buy.

f) A curtain measures 1.8 metres by 2.1 metres. Find out how many square meters of material is needed for making four more curtains the same size.

### Answers to Book 4 Final Review

1.

- a) 0.57                      b) 0.695                      c) 0.8                      d) 3.206                      e) 0.3142  
f) 0.024                      g) 9.12                      h) 36.005

2.

- a)  $\frac{7}{10}$ , seven tenths      b)  $7\frac{3}{10}$ , seven and three tenths      c)  $\frac{41}{100}$ , forty one hundredths  
d)  $6\frac{938}{1000}$ , six and nine hundred thirty eight thousandths      e)  $5\frac{11}{1000}$ , five and eleven thousandths  
f)  $42\frac{104}{1000}$ , forty two and one hundred four thousandths  
g)  $\frac{3821}{1000}$ , three thousand eight hundred twenty one ten thousandths  
h)  $23\frac{501}{10000}$ , twenty three and five hundred one ten thousandths

3.

- a) \$7.24                      b) \$0.81                      c) \$0.04                      d) \$2.33

4.

- a) 314.6090      b) 0.0710                      c) 0.59                      d) 0.87070

5.

- a) <                      b) <                      c) >                      d) >

6.

- a)  $\neq$                       b) =                      c)  $\neq$                       d)  $\neq$

7.

- a) 8                      b) 32                      c) 1

8.

- a) 1.6                      b) 0.9                      c) 0.1

9.

- a) 72.01                      b) 0.78                      c) 0.47

10.

- a) 0.28                      b) 8.204                      c) 0.011

11.

- a) 134.856      b) 742.011                      c) 477.902                      d) 431.168


12.

- a) 41.133                      b) 53.914                      c) 103.169                      d) 67.59

13.

- a) 60.3 km      b) \$454.11                      c) 0.04 m                      d) \$112.42  
e) \$19.29      f) 6.68m                      g) 4.87cm



DATE	CHEQUE NO.	DEBIT OR CHEQUE DESCRIPTION OR DESCRIPTION OF DEPOSIT	CHEQUE/DEBIT AMOUNT			DEPOSIT AMOUNT		BALANCE	
		<b>BALANCE FORWARD</b>						\$621	95
2/9		Sally's Clothing Store	132	55				489	40
3/9		Pharmacy	28	81				460	59
4/9	207	ABE Aquatic Centre	101	00				359	59
8/9		Cash	150	00				209	59
15/9		Pay Deposit				948	74	1158	33
16/9		Car Payment	291	00				867	33
23/9	208	Roger's Cable Vision	74	32				793	01
31/9		Pay deposit				997	26	1790	27

14.

Your name Joy Blackburn  
 Your address 222 College Dr  
 Your phone number (250) 444-444 January 5 2010 No. 58

PAY TO  
 THE ORDER OF The ABE store \$ 56.90

Fifty Six-----  
90 DOLLARS  
100

ABE Bank  
 123 Any Street  
 Our Town, BC

Account # 456-789-0 **SAMPLE ONLY**

MEMO J. Blackburn

15.

- a) 170.88                      b) 18.808                      c) 3.24714                      d) 610.288  
 e) 96.3428                      f) 92.988

16.

- a) 152.388 cm<sup>2</sup>                      b) 27.553 m<sup>2</sup>                      c) 80.256 m<sup>2</sup>

17.

- a) \$898.70                      b) 15 570 people                      c) \$180.18                      d) 1393.55 m<sup>2</sup>  
 e) 580.5 m<sup>2</sup>

18.

- a) 1.305                      b) 2.37                      c) 6300                      d) 2.34  
 e) 11.467                      f) 8.43

**19.**

- a) 2.55 km each day                      b) 50 hours                      c) 16.25 ml per day  
d) i) 43.58 mm                      ii) 1.41 mm                      e) i) 5.103 m<sup>2</sup>                      ii) 10.26 m  
f) i) 2083.923 cm<sup>2</sup>                      ii) 182.6 cm

**20.**

- a) Apple juice is the better buy at \$1.76/L (orange juice is \$1.82/L)  
b) The pack of 5 pairs of socks are cheaper at \$2.57/pair

**21.**

UNIT	SYMBOL	MEASURES	EXAMPLES
<b>METRES</b>	m	Length	Running race, height
<b>LITRES</b>	L	Volume	Milk, juice
<b>GRAMS</b>	g	Weight/ mass	Medication, baby's weight
<b>SECONDS</b>	s	Time	Time left on a test

**22.**

- a) one hundredth of a metre = cm                      b) one hundred grams = hg  
c) one tenth of a metre = dm                      d) one thousandth of a gram = mg  
e) ten metres = dam                      f) one thousand metres = km

**23.** Kilo / hecto / deca / **base unit** / deci / centi / mili

**24.**

- a) 450 L                      b) 5700 cg                      c) 1010 mm                      d) 0.00049 hL  
e) 0.255m                      f) 50 000 dm                      g) 750 g

**25.**

- a) 4029 m                      b) 1795 cL

**26.**

- a) 4048 mg or 404.8 cg                      b) 7 829 932 mL or 782.9932 daL  
c) 5099 m or 5.099 km                      d) 810

**27.**

- a) 182.4 m                      b) 71.12 cm                      c) 27.96 m                      d) \$186.49  
e) 1752.6 cm<sup>2</sup>                      f) 15.12 m<sup>2</sup>