

Important Concepts . . .

Preview Review



Mathematics Grade 5 TEACHER KEY

W2 - Quiz

Important Concepts of Grade 5 Mathematics

W1 - Lesson 1	Number Sense Numbers 0 to 100 000
W1 - Lesson 2	Exploring Proper Fractions
W1 - Lesson 3	Exploring Decimals
W1 - Lesson 4	Numbers With Up to 2 Decimal Places
W1 - Lesson 5	Multiplication
W1 - Quiz	
W2 - Lesson 1	Division
W2 - Lesson 2	Collecting Data and Analyzing Patterns
W2 - Lesson 3	Estimating and Taking Measurements
W2 - Lesson 4	Perimeter and Area Measurements
W2 - Lesson 5	Metric Measurements
W2 - Quiz	
W3 - Lesson 1	Volume, Capacity, Mass, and Time
W3 - Lesson 2	2-D Shapes and 3-D Objects
W3 - Lesson 3	Transformations
W3 - Lesson 4	Statistics and Probability
W3 - Lesson 5	Chance and Probability
W3 - Quiz	

Materials Required

Protractor
Ruler
Calculator

**A textbook is not
needed.**

**This is a stand-alone
course.**

Mathematics Grade 5

Version 5

Preview/Review W2 - Quiz TEACHER KEY

Publisher: Alberta Distance Learning Centre

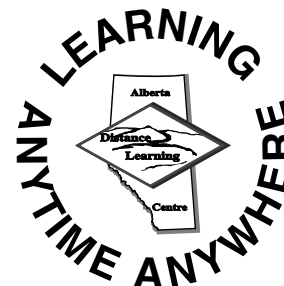
Author: Leslie Friesen

In-House Teacher: Sue Rees

Project Coordinator: Dennis McCarthy

Preview/Review Publishing Coordinating Team: Nina Johnson,

Laura Renkema, and Donna Silgard



Alberta Distance Learning Centre has an Internet site that you may find useful. The address is as follows: <http://www.adlc.ca>

The use of the Internet is optional. Exploring the electronic information superhighway can be educational and entertaining. However, be aware that these computer networks are not censored. Students may unintentionally or purposely find articles on the Internet that may be offensive or inappropriate. As well, the sources of information are not always cited and the content may not be accurate. Therefore, students may wish to confirm facts with a second source.

ALL RIGHTS RESERVED

Copyright © 2007, by Alberta Distance Learning Centre, 4601-63 Avenue, Barrhead, Alberta, Canada, T7N 1P4. Additional copies may be obtained from Alberta Distance Learning Centre.

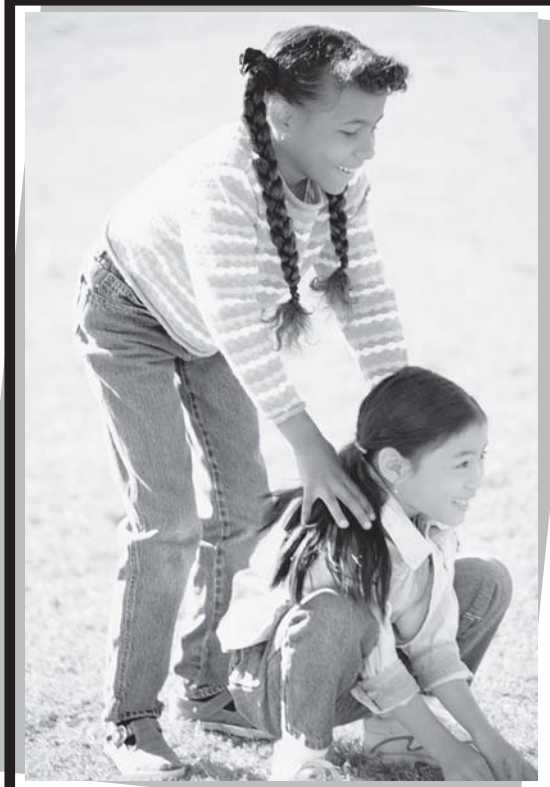
No part of this courseware may be reproduced or transmitted in any form, electronic or mechanical, including photocopying (unless otherwise indicated), recording, or any information storage and retrieval system, without the written permission of Alberta Distance Learning Centre.

Every effort has been made both to provide proper acknowledgement of the original source and to comply with copyright law. If cases are identified where this effort has been unsuccessful, please notify Alberta Distance Learning Centre so that appropriate corrective action can be taken.

IT IS STRICTLY PROHIBITED TO COPY ANY PART OF THESE MATERIALS UNDER THE TERMS OF A LICENCE FROM A COLLECTIVE OR A LICENSING BODY.

Preview/Review Concepts for Grade Five Mathematics

TEACHER KEY



W2 - Quiz

W2 - Quiz

Part I: W2 - Lesson 1

1. Match the following terms to the appropriate part of the division equation.

remainder
quotient

divisor
dividend

$$\begin{array}{r}
 197 \leftarrow \text{B.} \\
 \text{A.} \rightarrow 54 \overline{)10648} \leftarrow \text{C.} \\
 \underline{-54} \\
 524 \\
 \underline{-486} \\
 388 \\
 \underline{-378} \\
 10 \leftarrow \text{D.}
 \end{array}$$

- A. divisor
- B. quotient
- C. dividend
- D. remainder

2. Solve the following equations showing all your work.

a. $261 \div 9$

$$\begin{array}{r}
 029 \\
 9 \overline{)261} \\
 \underline{-18} \\
 81 \\
 \underline{-81} \\
 0
 \end{array}$$

b. $1\,095 \div 5$

$$\begin{array}{r} 0219 \\ 5 \overline{)1095} \\ \underline{-10} \downarrow \\ 9 \\ - \underline{5} \downarrow \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

3. Solve the following equations involving decimals. Show all your work as you go.

a. $61.2 \div 9$

$$\begin{array}{r} 06.8 \\ 9 \overline{)61.2} \\ \underline{-54} \\ 72 \\ \underline{-72} \\ 0 \end{array}$$

b. $25.5 \div 3$

$$\begin{array}{r} 08.5 \\ 3 \overline{)25.5} \\ \underline{-24} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

4. Matthew has marbles that must be equally divided among 6 friends. If there are 216 marbles, how many should be given to each person? Show your work and write a sentence to answer the question.

$$\begin{array}{r}
 036 \\
 6 \overline{)216} \\
 \underline{-18} \\
 36 \\
 \underline{-36} \\
 0
 \end{array}$$

Matthew should give each person 36 marbles.

Part II: W2 - Lesson 2

1. What pattern do you see in Columns 1 and 2 that would result in the answer in Column 3? Create a rule that applies to all rows in the grid.

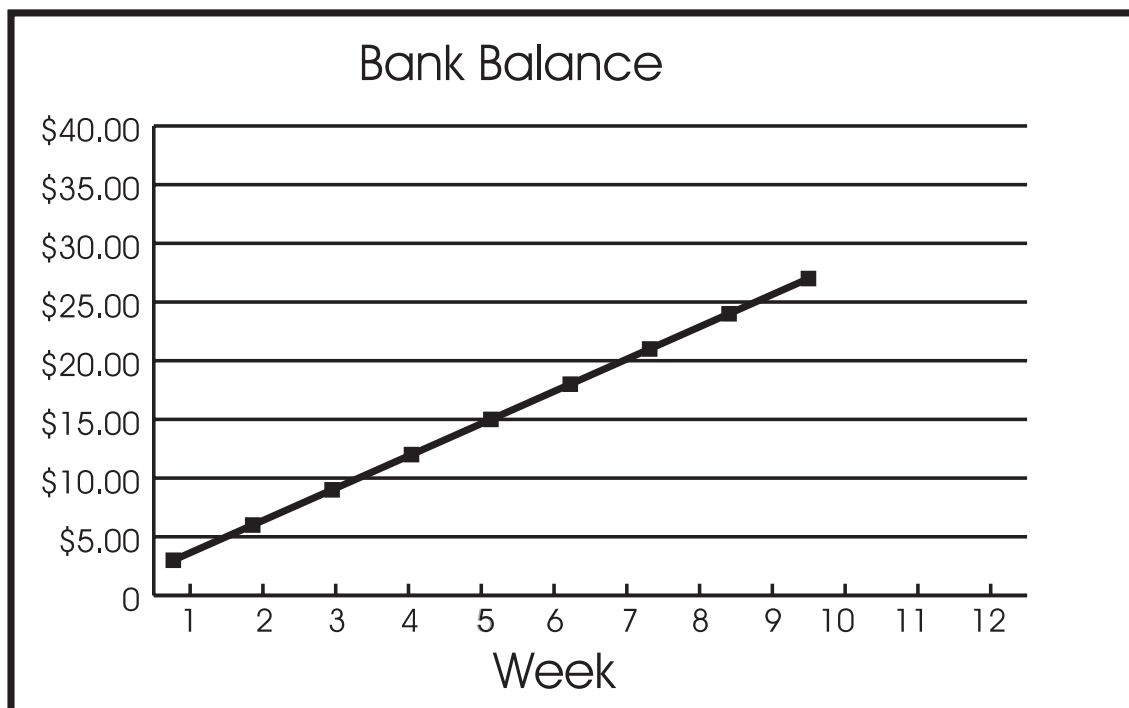
Column 1	Column 2	Column 3
2	4	12
5	3	16
4	8	24
6	7	26
8	9	34

What rule applies to the rows in the grid?

Add Column 1 and Column 2, then multiply the sum by 2 to

get Column 3

2. Using the graph below, answer the questions that follow.



- a. Jeremy puts the same amount of money in his bank account every week. If Jeremy continues to put the same amount of money in the bank, how much money will he have in the bank at the end of week 12?

Approximately \$34.50 (accept other reasonable answers).

- b. By how much money does Jeremy's bank account grow each week?

Approximately \$3.00 per week.

Part III: W2 - Lesson 3

Print the letter of the **BEST** answer in the blank before each item.

- D** 1. The **best** unit to measure the length of an earthworm is
- A. milligrams
 - B. metres
 - C. decametres
 - D. centimetres
 - E. decilitres
- E** 2. The **best** unit to measure the distance between cities is
- A. millimetres
 - B. metres
 - C. decametres
 - D. centimetres
 - E. kilometres
- B** 3. The **best** estimate of your hand span is
- A. 10 mm
 - B. 20 cm
 - C. 40 cm
 - D. 50 mm
- D** 4. The **best** estimate of the height of an average person from waist to the floor is
- A. 1000 cm
 - B. 100 mm
 - C. 10 m
 - D. 1 m

B 5. The best estimate of the circumference of a pencil is

- A. 250 mm
- B. 25 mm
- C. 25 cm
- D. 2.5 m

Part IV: W2 - Lesson 4

1. Use this box to answer the following questions.



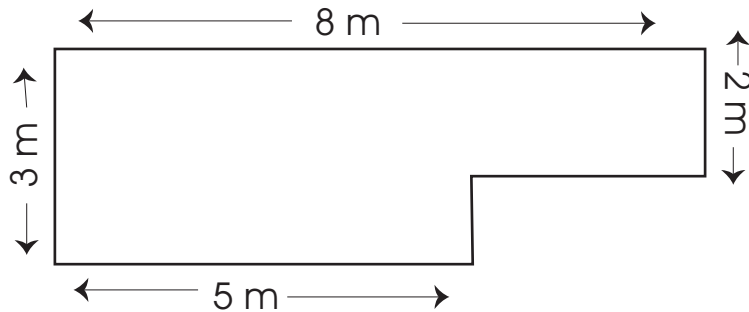
a. Calculate the perimeter of the rectangle above. Show all your work.

$$\begin{aligned}
 P &= 2l + 2w \\
 &= 2 \times 7 + 2 \times 5 \quad \text{or} \quad P = 5 + 7 + 5 + 7 \\
 &= 14 + 10 \quad \quad \quad = 24 \\
 &= 24 \text{ cm}
 \end{aligned}$$

b. Calculate the area of the rectangle. Show all your work.

$$\begin{aligned}
 A &= l \times w \\
 &= 7 \times 5 \\
 &= 35 \text{ cm}^2
 \end{aligned}$$

2. Use this diagram to answer the following questions.



a. Calculate the perimeter of the figure above. Show all your work.

$$P = 3 + 8 + 2 + 3 + 1 + 5$$

$$= 22 \text{ m}$$

(Student must determine two lengths.)

b. Calculate the area of the figure above. Show all your work.

$$A_1 = l \times w$$

$$= 5 \times 3$$

$$= 15 \text{ m}^2$$

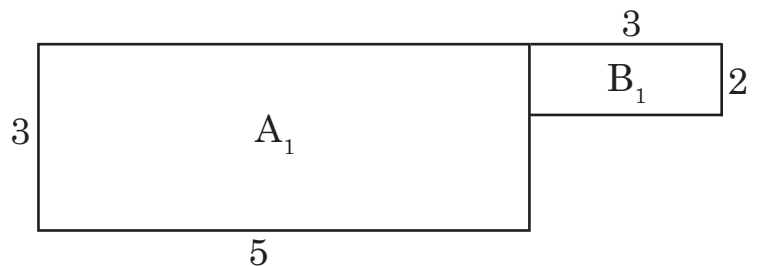
$$B_1 = l \times w$$

$$= 3 \times 2$$

$$= 6 \text{ m}^2$$

$$\text{Total Area} = 15 + 6$$

$$= 21 \text{ m}^2$$



Part V: W2 - Lesson 5

For each of the following statements, place a **T** for **true** or an **F** for **false** on the line provided.

- T** 1. 1 centimetre is equal to 10 millimetres.
- F** 2. 1 litre contains 10 000 millimetres.
- F** 3. 1 decimetre is longer than 1 decametre.
- T** 4. 100 centimetres is equal to 1 metre.
- T** 5. If you walk 1 000 metres, you have gone 1 kilometre.
- F** 6. 2.3 metres is shorter than 400 millimetres.
- T** 7. 1 kilogram contains 1 000 grams.
- T** 8. 320 centimetres is longer than 3 metres.
- T** 9. 250 millilitres is smaller than 1 litre.
- T** 10. There are 1 000 000 millimetres in 1 kilometre.

