Important Concepts . . .

Preview Review

Mathematics Grade 5 TEACHER KEY

W3 - Quiz

V5-07

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 W3 - Quiz TEACHER KEY

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Preview/Review Concepts for Grade Five Mathematics

TEACHER KEY

W3 - Quiz

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Part I: W3 - Lesson 1

1. Nathan needs 1 cup of milk (250 mL) in a cake he is baking for his mother's birthday. Nathan takes a full 4 Litre milk jug from the fridge. How many cups of milk can be poured from the 4 litre jug? Circle the correct answer.

A. 4
B. 8
C. 16
D. 20

4 litres = 4 000 mL

16 cups

$$250\overline{)4000}\quad 016$$
$$-\ 250$$
$$150$$
$$-\ 150$$
$$0$$

2. Nathan is making a chocolate cake that requires 60 mL of cocoa.

   a. If Nathan uses a teaspoon that holds 5 mL, how many scoops must he make to have the required cocoa?

   12 scoops ***60 ÷ 5 = 12***

   b. If Nathan uses a tablespoon that holds 15 mL at one time, how many scoops must he use for the required cocoa?

   4 scoops ***60 ÷ 15 = 4***

3. Nathan has 125 cm^3 of shortening, but the recipe calls for 150 mL of shortening. Does Nathan have enough shortening? Explain how you know?

No, Nathan does not have enough shortening. 1 mL equals 1 cm^3; therefore, 125 cm^3 = 125 mL.

4. Sherry and her family are at the airport waiting for her aunt to arrive from Ottawa. The arrivals board shows that the flight will be arriving at 22:44. What is another way to write this time using the 12-hour clock?

   10:44 p.m.

5. Evan looked at one of his previous report cards. On the top he saw the date written as 2000-02-05. What day was the report card issued?

   February 5, 2000

Part II: W3 - Lesson 2

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

D 1. Which of the following is not a quadrilateral?

A. kite
B. trapezoid
C. square
D. triangle

A 2. Which of the following has **no** parallel sides?

A. triangle
B. square
C. trapezoid
D. parallelogram

B 3. A point where two or more edges meet is referred to as a

A. triangle
B. vertex
C. face
D. prism

D 4. How many faces are on a cube?

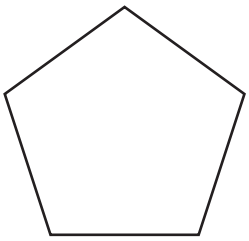
A. 1
B. 2
C. 4
D. 6

Part III: W3 - Lesson 3

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

C 1. How many lines of symmetry are on a regular pentagon?

A. 0
B. 1
C. 5
D. 10

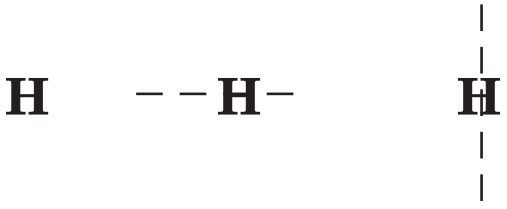


B 2. Which of the following shapes does not tessellate on its own without the use of another shape?

A. hexagon
B. pentagon
C. square
D. triangle

C 3. Which of the following letters of the alphabet has 2 lines of symmetry?

A. A
B. E
C. H
D. U



A 4. Ralph wished to conduct a survey in his local town to discover which brand of toothpaste people preferred. To achieve the most random sampling of data, he should

A. go through the phone book and call 100 homes
B. offer free samples to see which brand people took
C. survey an elementary school
D. find out which toothpaste the local dentist recommended

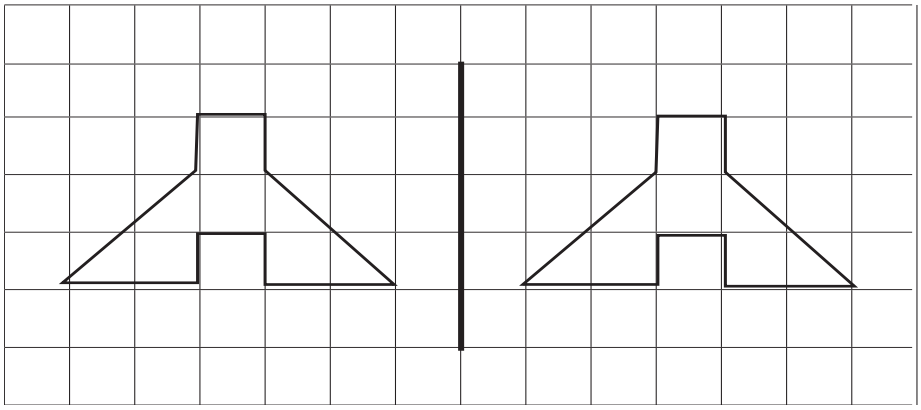
B 5. All the Grade 5 students were asked to complete a survey to decide where to hold the year-end school activity for all the students in the school. The school has students from kindergarten to Grade 6. In this study, the Grade 5 students are considered to be the

A. data
B. sample
C. frequency
D. school population

6. Maddison wanted to find out which television shows were the favourites among the students at her school. She decided to survey 10 of her closest friends for their favourite television shows. She presented her results to her class after the survey was complete. Do you think her results fairly represented the favourite shows of her school population? Why or why not?

No. Her 10 friends likely have similar interests and watch similar shows. Her sample does not reflect the full range of interests at her school.

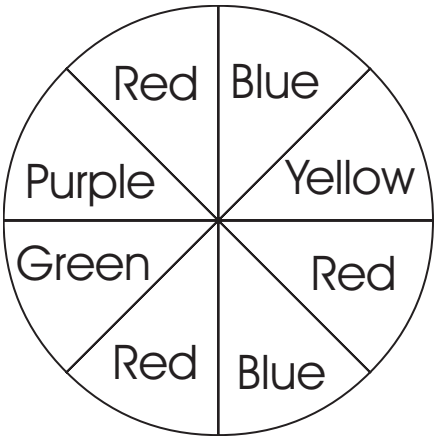
7. Draw this tent as a flipped object.



Part IV: W3 - Lesson 4 and 5

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

___A___ 1. What is the probability that the spinner will land on red?



A. $\frac{3}{8}$

B. $\frac{1}{3}$

C. $\frac{3}{3}$

D. $\frac{5}{8}$

B 2. When a coin is flipped, the probability of the coin landing heads up is

A. 1
B. $\frac{1}{2}$
C. $\frac{1}{3}$
D. $\frac{2}{2}$

B 3. It is _____ for humans to breathe unassisted underwater.

A. improbable
B. impossible
C. less likely
D. best

A 4. It is _____ for your family to win a national lottery.

A. improbable
B. impossible
C. less likely
D. best

D 5. When a die is tossed, what is the probability of it showing a six or a lower number?

A. improbable
B. very likely
C. impossible
D. certain