

Name: \_\_\_\_\_



# PPN Testing Program

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**2019 – 2020**

**Bi-Weekly Quiz 2**

**Grade 6**

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## Grade 6 Mathematics Reference Sheet

### CONVERSIONS

1 inch = 2.54 centimeters

1 meter = 39.37 inches

1 mile = 5,280 feet

1 mile = 1,760 yards

1 mile = 1.609 kilometers

1 kilometer = 0.62 mile

1 pound = 16 ounces

1 pound = 0.454 kilogram

1 kilogram = 2.2 pounds

1 ton = 2,000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 gallon = 3.785 liters

1 liter = 0.264 gallon

1 liter = 1,000 cubic centimeters

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### FORMULAS

Triangle

$$A = \frac{1}{2}bh$$

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Right Rectangular Prism

$$V = Bh \text{ or } V = lwh$$

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# Session 1



## **TIPS FOR TAKING THE TEST**

Here are some suggestions to help you do your best:

- Read each question carefully and think about the answer before making your choice.
- You have been provided with mathematics tools (a ruler and a protractor) and a reference sheet to use during the test. It is up to you to decide when each tool and the reference sheet will be helpful. You should use mathematics tools and the reference sheet whenever you think they will help you to answer the question.

1

Devin made 30 custom T-shirts to sell. He will donate  $\frac{1}{8}$  of his total sales to a local charity. He sold all 30 T-shirts for \$18 each.

How much will Devin donate to charity?

- A \$6.00
- B \$6.75
- C \$67.50
- D \$70.00

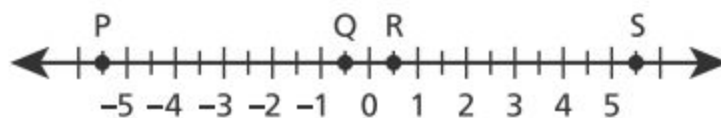
2

Carly purchased  $9\frac{1}{2}$  pints of ice cream for a party. If each guest will be served exactly  $\frac{3}{5}$  pint of ice cream, what is the greatest number of guests that Carly can serve?

- A 5
- B 9
- C 15
- D 16

3

Which point on the number line below represents the number opposite the number  $-\frac{1}{2}$ ?

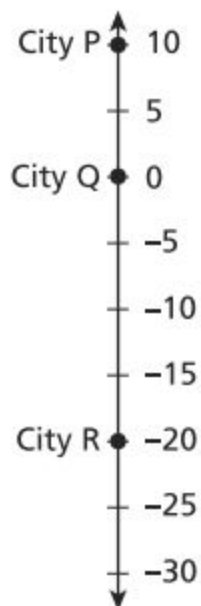


- A point P
- B point Q
- C point R
- D point S

# **Session 2**

Calculators permitted

The elevations, in feet, of three cities are marked on the number line shown below.



The point 0 on the number line represents sea level. Which statement must be true?

- A** City P and City Q are above sea level.
- B** City Q and City R are below sea level.
- C** City P is above sea level and City Q is below sea level.
- D** City P is above sea level and City R is below sea level.

5

What is the least common multiple of 8 and 6?

- A** 14
- B** 24
- C** 48
- D** 2

6

Mr. Tola has a piece of wood that is  $8\frac{1}{4}$  feet in length. He wants to cut it into pieces that are each  $\frac{3}{4}$  foot in length. How many  $\frac{3}{4}$ -foot pieces of wood can Mr. Tola make?

- A** 7
- B** 8
- C** 9
- D** 11



**7**

An art teacher has a total of  $\frac{7}{8}$  pound of clay. The teacher puts  $\frac{1}{16}$  pound of clay at each work station. The teacher sets up an equal number of work stations in each of 2 classrooms. How many work stations does the teacher set up in each of the classrooms?

*Show your work.*

*Answer* \_\_\_\_\_ work stations