Summer Math Program
Sixth Grade
Week 1

Fast Facts

See how many you can do in one minute!

20 ÷ 5 = _____	63 ÷ 7 = _____	27 ÷ 9 = _____	24 ÷ 2 = _____
42 ÷ 7 = _____	18 ÷ 3 = _____	24 ÷ 8 = _____	49 ÷ 7 = _____
21 ÷ 3 = _____	25 ÷ 5 = _____	56 ÷ 8 = _____	28 ÷ 7 = _____
64 ÷ 8 = _____	72 ÷ 9 = _____	18 ÷ 6 = _____	32 ÷ 4 = _____
72 ÷ 8 = _____	48 ÷ 6 = _____	36 ÷ 4 = _____	36 ÷ 6 = _____

Rational Numbers

1. If 4/5 ÷ 2/3 = _, then 2/3 · _ = 4/5. Tell what would go in the blank to make this true.

2. What number on the number line is represented by the point P?

A. $\frac{5}{2}$

B. $3\frac{3}{4}$

C. $3\frac{5}{10}$

D. $3\frac{5}{12}$

Expressions and Equations

1. Justin tells Ali he has x number of cars. Ali has three more than twice this number of model cars. Which of the following expressions represents the number of model cars Ali has?

a. 3 x

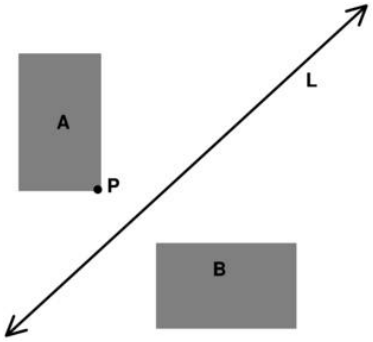
b. 3 + x

c. 2(3 + x)

d. 3 + 2x

Geometric Ideas

1. Which transformation moves rectangle A into rectangle B?

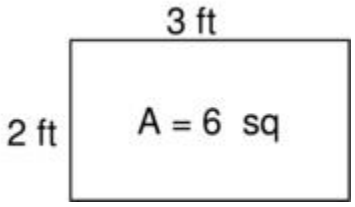


a. two translations: first down, and then to the right
b. a rotation aro und point P
c. a reflection through the line
d. an expansion from quadrant 2 to quadrant 1

Properties of Shapes

1. A rectangle has sides of 2 feet and 3 feet. Its area is 6 square feet. What is the area of this rectangle in square inches ?

a. 60 square inches
b. 120 square inches
c. 144 square inches
d. 864 square inches



Number Operations

1. Find an equivalent decimal for this fraction. Show your work.

$$\frac{13}{4}$$

2. Solve x + 12 = 23. Show all your work. Justify your solution and why you did it.