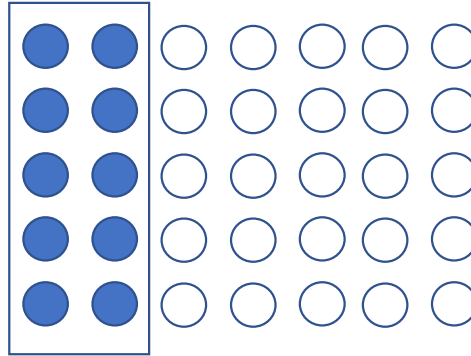


# Topic A Quiz Prep (Lessons 1 - 6)

## Item 1: Shaded / Unshaded as a Fraction

What expression represents the number of shaded circles?

- A.  $\frac{2}{7} \times 35$
- B.  $\frac{1}{2} \times 35$
- C.  $\frac{1}{5} \times 35$
- D.  $\frac{5}{2} \times 35$



## Item 2: Multiply fractions & whole numbers

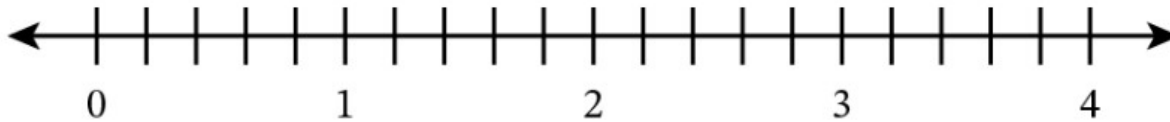
$$\frac{1}{3} \times 9$$

$$\frac{2}{6} \times 9$$

$$\frac{7}{5} \times 3$$

## Item 3: Represent an expression on a number line.

$\frac{2}{5}$  of 4 is \_\_\_\_\_.



The number line represents a total of \_\_\_\_\_ wholes. Each whole is partitioned into \_\_\_\_\_ equal units, and each unit represents \_\_\_\_\_. To represent \_\_\_\_\_ of each whole, \_\_\_\_\_ units of each whole are shaded. There is a total of \_\_\_\_\_ units shaded to represent the answer of \_\_\_\_\_.

## Topic A Quiz Prep (Lessons 1 - 6)

### Item 4: Convert each measurement

14 feet = \_\_\_\_\_ yards

34 ounces = \_\_\_\_\_ pounds

$\frac{2}{3}$  gallons = \_\_\_\_\_ quarts

Conversions to Remember:

3 feet = 1 yard

16 ounces = 1 pound

2 cups = 1 pint

4 quarts = 1 gallon

12 inches = 1 foot

Item 5 & 7: >, =, or <

$$\frac{5}{9} \times 32 \text{ — } 32$$

$$\frac{9}{5} \times 32 \text{ — } 32$$

Be able to explain your answer. Why?

Both Questions 5 and 7 will ask you to use your understanding of multiplying by a fraction less than one or multiplying by an improper fraction which is **greater than one**.

### Item 6: Real World Word Problem

Bryce needs  $\frac{5}{6}$  pounds of blueberries and  $\frac{2}{3}$  pounds of raspberries for a dessert recipe. How many total **OUNCES** of berries does Bryce need?