Divide Fractions Pretest Answers

Name_____

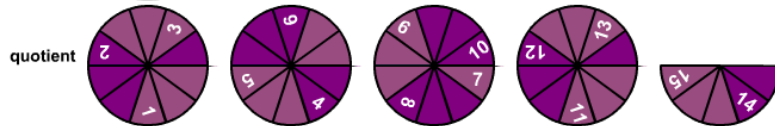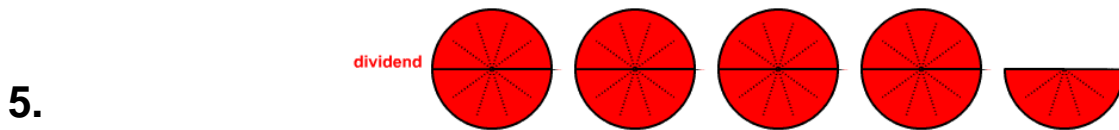The number sentences may vary. The sentences should show the factors and the product.

1. $2\dfrac{1}{2} \div \dfrac{1}{2} = 5$

2. $2\dfrac{2}{3} \div \dfrac{2}{3} = 4$

3. $\dfrac{1}{3} \div \dfrac{2}{3} = \dfrac{1}{2}$

4. $\dfrac{8}{9} \div 3 = \dfrac{8}{27}$

5.

dividend

divisor

quotient

$4\dfrac{1}{2} \div \dfrac{3}{10} = \dfrac{9}{2} \div \dfrac{3}{10} = \dfrac{9}{2} \times \dfrac{10}{3} = \dfrac{90}{6} = 15$

dividend   divisor   Write in fraction form.   Multiply by the reciprocal   simplify

6.

$$\frac{7}{10} \div 2\frac{1}{2} = \frac{7}{10} \div \frac{5}{2} = \boxed{\frac{7}{10} \text{ X } \frac{2}{5} = \frac{14}{50} =} \frac{7}{25}$$

dividend   divisor   Write in fraction form.   Multiply by the reciprocal   simplify

7.

$$1\frac{1}{2} \div 2\frac{1}{2} = \frac{3}{2} \div \frac{5}{2} = \boxed{\frac{3}{2} \text{ X } \frac{2}{5} = \frac{6}{10} =} \frac{3}{5}$$

dividend   divisor   Write in fraction form.   Multiply by the reciprocal   simplify

8.

$$4\frac{1}{4} \div 2\frac{3}{4} = \frac{17}{4} \div \frac{11}{4} = \boxed{\frac{17}{4} \text{ X } \frac{4}{11} = \frac{68}{44} =} 1\frac{6}{11}$$

dividend   divisor   Write in fraction form.   Multiply by the reciprocal   simplify

9.

$$4\frac{2}{3} \div 4 = 1\frac{1}{6}$$

10.

$$3\frac{5}{8} \div 2\frac{1}{2} = 1\frac{9}{20}$$