





Daily HW Check:

Box 9: Multiplying Fractions # 2

Box 10: Multiplying Fractions # 7

1)  $5 \times 10 = 50$

2)  $4 \times 5 = 20$

3)  $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

4)  $\frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$

5)  $\frac{2}{4} \times \frac{8}{10} = \frac{16}{40} = \frac{2(\cancel{8})}{5(\cancel{20})} = \frac{2}{5}$

6)  $\frac{1}{2} \times \frac{2}{4} = \frac{1}{4}$

7)  $\frac{5}{10} \times \frac{3}{4} = \frac{15}{40} = \frac{3(\cancel{5})}{8(\cancel{20})} = \frac{3}{8}$

8)  $\frac{2}{3} \times \frac{3}{10} = \frac{6}{30} = \frac{1(\cancel{6})}{6(\cancel{30})} = \frac{1}{5}$

9)  $\frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$

10)  $\frac{2}{5} \times \frac{2}{3} = \frac{4}{15}$

### Word Problems

1)  $2 \times \frac{2}{5} = \frac{2}{1} \times \frac{2}{5} = \frac{4}{5}$  inches

2)  $3 \times \frac{3}{8} = \frac{3}{1} \times \frac{3}{8} = \frac{9}{8}$  bins of bottles

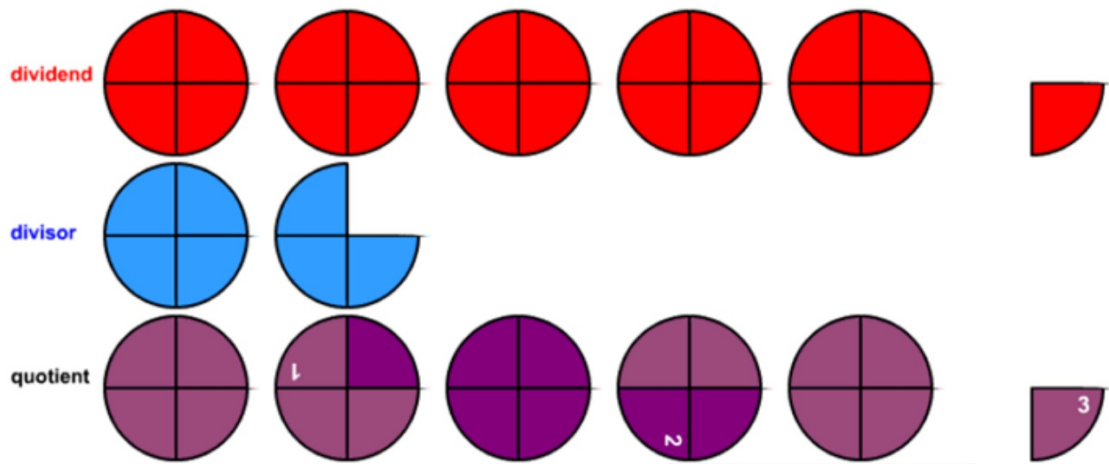
3)  $9 \times \frac{2}{3} = \frac{9(\cancel{3})}{1} \times \frac{2}{\cancel{3}(1)} = \frac{6}{1} = 6$  gallons

4)  $8 \times \frac{1}{2} = \frac{8(\cancel{4})}{1} \times \frac{1}{\cancel{2}(1)} = \frac{4}{1} = 4$  barrels



Dividing  
Fractions

### Dividing Fractions



$$\begin{array}{ccccccc}
 5 \frac{1}{4} & \div & 1 \frac{3}{4} & = & \frac{21}{4} & \div & \frac{7}{4} & = & \frac{21}{4} \times \frac{4}{7} & = & \frac{84}{28} & = & 3
 \end{array}$$

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

Flip the second term

$$\frac{3}{7} \div \frac{1}{5} =$$

Multiply the terms.

$$\frac{3}{7} \times \frac{5}{1} = \frac{15}{7}$$

**Example 2:** Divide the following.

7.  $\frac{2}{5} \div \frac{4}{5} =$

$$\frac{2}{5} \div \frac{4}{5} = \frac{2}{5} \times \frac{5}{4} = \frac{2}{4} = \frac{2(1)}{2(2)} = \frac{1}{2}$$

8.  $\frac{1}{2} \div \frac{1}{5} =$

$$\frac{1}{2} \div \frac{1}{5} = \frac{1}{2} \times \frac{5}{1} = \frac{5}{2}$$

9.  $\frac{1}{3} \div \frac{2}{7} =$

$$\frac{1}{3} \div \frac{2}{7} = \frac{1}{3} \times \frac{7}{2} = \frac{7}{6}$$

10.  $\frac{3}{4} \div \frac{1}{6} =$

$$\frac{3}{4} \div \frac{1}{6} = \frac{3}{4} \times \frac{6}{1} = \frac{9}{2}$$



$$11. \frac{1}{5} \div \frac{4}{5} =$$

$$\frac{1}{\cancel{5}} \cdot \frac{\cancel{5}^1}{4} = \frac{1}{4}$$

$$12. \frac{1}{2} \div \frac{6}{5} =$$

$$\frac{1}{2} \cdot \frac{5}{\cancel{6}} = \frac{5}{12}$$

$$13. \frac{1}{2} \div \frac{2}{7} = \frac{7}{4}$$

$$\frac{1}{2} \times \frac{7}{2} = \frac{7}{4}$$

$$14. \frac{9}{4} \div \frac{1}{6} =$$

$$(2) \cancel{4} \frac{9}{4} \times \frac{6}{1} \cancel{(3)} = \frac{27}{2}$$

# Homework

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

Teacher : \_\_\_\_\_

Div

$$1) 4\frac{1}{5} \div 3\frac{1}{2} =$$

$$6) 3\frac{4}{5} \div 2\frac{1}{3} =$$

$$2) 4\frac{1}{5} \div 3\frac{7}{10} =$$

$$7) 4\frac{1}{10} \div 4\frac{4}{5} =$$

$$3) 2\frac{2}{3} \div 3\frac{2}{5} =$$

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

$$4) 3\frac{7}{10} \div 4\frac{1}{3} =$$

$$9) 4\frac{1}{3} \div 3\frac{1}{2} =$$

$$5) 2\frac{1}{3} \div 4\frac{1}{4} =$$

$$10) 2\frac{1}{2} \div 2\frac{3}{5} =$$

1. Two children share  $2\frac{1}{2}$  chocolate bars with each child getting the same amount. How much does each child get? Solve with a drawing.

2. Four brothers inherit  $30\frac{1}{2}$  acres of land altogether. They decide to share it equally. How much land does each brother get? Solve with a drawing.

3. If it rained the same amount each day for 3 days and the total amount of rain received was  $3\frac{1}{3}$  inches, how much did it rain each day?

4. A rope that is  $\frac{3}{4}$  in length is cut into 2 pieces of equal length. How long is each piece? Solve with a drawing.

5. Four students are participating in a relay race that is  $2\frac{1}{3}$  miles long. If each student runs that same distance, how far does each student run?

6. Click and Clack decide to take a journey in their classic '52 MG. The whole journey is  $625\frac{1}{2}$  miles long and they want to complete the journey in 3 days, traveling exactly the same distance each day. How far must they travel each day?

7. Two pizzas are cut so that each person at a party receives  $\frac{1}{4}$  pizza, how many people are at the party?

8. Ten bananas were used for making pies for a bake sale. If  $2\frac{1}{2}$  bananas were used for each pie, how many pies were made?