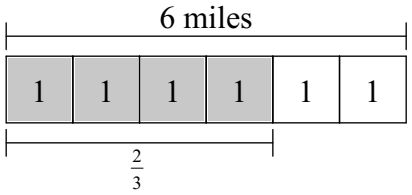
Kuta Software - Infinite Grade 6 Math Name_____

Dividing Fractions - What Fraction of a Whole?

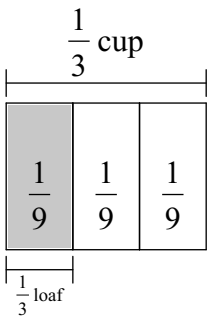
Date_____ Period____

Solve each problem. A tape diagram is provided.

1) Micaela planned to run 6 miles, but ended up running only 4 miles. What fraction of the planned run did she complete?



2) Micaela uses $\frac{1}{9}$ cup of flour to make bread. Each loaf requires $\frac{1}{3}$ cup of flour. What fraction of a loaf can she make?



For each problem, sketch a tape diagram, and then solve.

3) Willie has a jar with a capacity of $\frac{1}{2}$ cup. If he puts $\frac{1}{6}$ cup of honey in the jar, what fraction of the jar will be filled?

For each problem, write a multiplication equation and a division equation, and then solve.

4) What fraction of 8 is 4?

5) What fraction of 6 is 3?

6) What fraction of $2\frac{1}{4}$ is 2?

7) What fraction of $1\frac{1}{2}$ is 1?

8) What fraction of 7 is $3\frac{1}{2}$?

9) What fraction of 6 is $1\frac{1}{3}$?

10) What fraction of $\frac{1}{2}$ is $\frac{3}{8}$?

11) What fraction of $\frac{3}{8}$ is $\frac{1}{4}$?

Solve each problem.

12) $2\frac{1}{2} \div 4$

13) $\frac{2}{3} \div \frac{7}{9}$

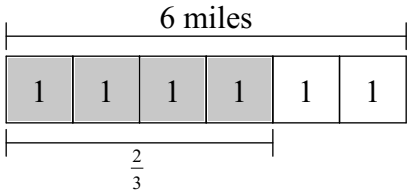
Kuta Software - Infinite Grade 6 Math Name_____

Dividing Fractions - What Fraction of a Whole?

Date_____ Period____

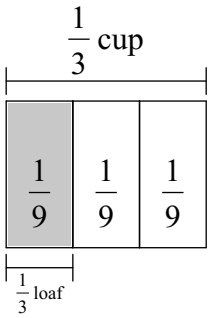
Solve each problem. A tape diagram is provided.

1) Micaela planned to run 6 miles, but ended up running only 4 miles. What fraction of the planned run did she complete?



$\frac{2}{3}$

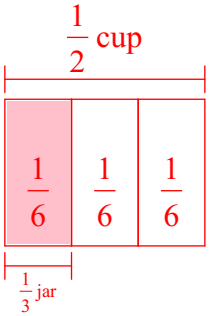
2) Micaela uses $\frac{1}{9}$ cup of flour to make bread. Each loaf requires $\frac{1}{3}$ cup of flour. What fraction of a loaf can she make?



$\frac{1}{3}$ loaf

For each problem, sketch a tape diagram, and then solve.

3) Willie has a jar with a capacity of $\frac{1}{2}$ cup. If he puts $\frac{1}{6}$ cup of honey in the jar, what fraction of the jar will be filled?



$\frac{1}{3}$ jar

For each problem, write a multiplication equation and a division equation, and then solve.

4) What fraction of 8 is 4?

$? \times 8 = 4$

$4 \div 8 = ?$

$\frac{1}{2}$

5) What fraction of 6 is 3?

$? \times 6 = 3$

$3 \div 6 = ?$

$\frac{1}{2}$

6) What fraction of $2\frac{1}{4}$ is 2?

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

$2 \div 2\frac{1}{4} = ?$

$\frac{8}{9}$

7) What fraction of $1\frac{1}{2}$ is 1?

$? \times 1\frac{1}{2} = 1$

$1 \div 1\frac{1}{2} = ?$

$\frac{2}{3}$

8) What fraction of 7 is $3\frac{1}{2}$?

$? \times 7 = 3\frac{1}{2}$

$3\frac{1}{2} \div 7 = ?$

$\frac{1}{2}$

9) What fraction of 6 is $1\frac{1}{3}$?

$? \times 6 = 1\frac{1}{3}$

$1\frac{1}{3} \div 6 = ?$

$\frac{2}{9}$

10) What fraction of $\frac{1}{2}$ is $\frac{3}{8}$?

$? \times \frac{1}{2} = \frac{3}{8}$

$\frac{3}{8} \div \frac{1}{2} = ?$

$\frac{3}{4}$

11) What fraction of $\frac{3}{8}$ is $\frac{1}{4}$?

$? \times \frac{3}{8} = \frac{1}{4}$

$\frac{1}{4} \div \frac{3}{8} = ?$

$\frac{2}{3}$

Solve each problem.

12) $2\frac{1}{2} \div 4$

$\frac{5}{8}$

13) $\frac{2}{3} \div \frac{7}{9}$

$\frac{6}{7}$