

5-Dividing Fractions

Tuesday, October 22, 2019 1:41 PM



5-Dividing
Fractions



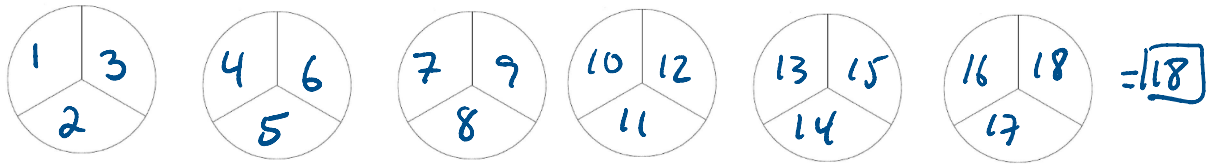
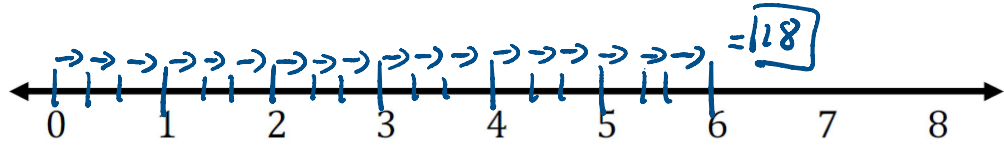
5-Dividing
Fractions.d...

DIVIDING FRACTIONS

Name _____

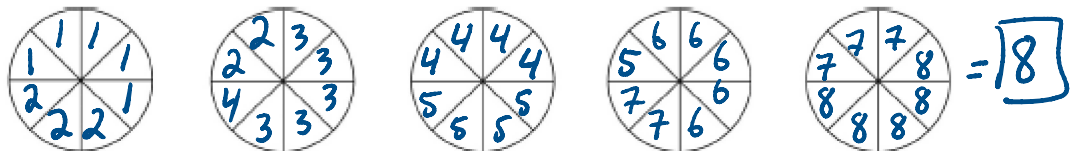
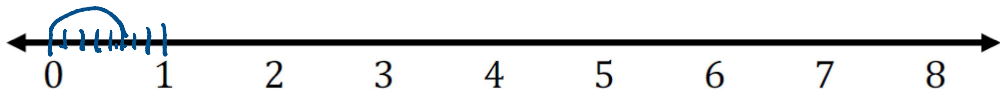
1. $6 \div \frac{1}{3} = \frac{6}{1} \times \frac{3}{1} = \frac{18}{1} = \boxed{18}$

= how many $\frac{1}{3}$'s in $\boxed{6}$



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

= how many $\frac{5}{8}$'s in $\boxed{5}$



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Steps for Dividing Fractions:

	$2\frac{1}{2} \div \frac{5}{7}$
1. Change <u>mixed</u> \rightarrow <u>improper</u>	$= \frac{5}{2} \div \frac{5}{7}$
2. Write the RECIPROCAL of the second fraction ('flip' the second fraction)	$= \frac{5}{2} \cdot \frac{7}{5}$
3. Change the divide \rightarrow multiply	$= \frac{5}{2} \times \frac{7}{5}$
4. Reduce if possible	$= \frac{\cancel{5}}{2} \cdot \frac{7}{\cancel{5}}$
5. Multiply across	$= \frac{7}{2}$
6. Change improper \rightarrow mixed	$= 3\frac{1}{2}$
7. Reduce if possible	$= 3\frac{1}{2}$

You Try:

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

$$= \frac{1}{3} \times \frac{1}{4}$$
$$= \frac{1}{12}$$

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

$$= \frac{2}{3} \times \frac{4}{1}$$
$$= \frac{8}{3}$$
$$= 2\frac{2}{3}$$

3. $\frac{2}{3} \div 6 =$

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

$$= \frac{1}{4} \times \frac{3}{2}$$
$$= \frac{3}{8}$$

5. $\frac{1}{3} \div \frac{1}{4} =$

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

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

$$= \frac{17}{4} \div \frac{5}{2}$$
$$= \frac{17}{4} \times \frac{2}{5}$$
$$= \frac{17}{10}$$
$$= 1\frac{7}{10}$$

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Finish
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7. $3\frac{1}{2} \div 4\frac{2}{3} =$

9. $1\frac{1}{8} \div \frac{3}{4} =$

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

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

and p. 139 - 8, 9, 13
p. 145 - 8, 10

p. 139 - 8, 9, 13
p. 145 - 8, 10