

Fraction – Multiply and Divide
Course questions

Name
Date

1. How do we multiply fractions?

We have to multiply the numerators together and the denominators together.

2. What could we do first to simplify our calculation?

Simplify first each fraction to simplify then the calculation

3. By what number can we never divide?

0

4. How to change a division into a multiplication with fractions?

We multiply the fraction on the top with the inverse of the fraction on the bottom

5. Why is the result of $\frac{1}{2} * \frac{1}{4}$ smaller than both fractions?

Because each fraction is having a greater denominator than numerator, so is less than 1.

Fraction – Multiply and Divide
Exercises - Part I
Calculate

Name
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$$\frac{1}{2} * \frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{3} * \frac{1}{3} = \frac{1}{9}$$

$$\frac{1}{4} * \frac{1}{4} = \frac{1}{16}$$

$$\frac{4}{20} * \frac{3}{20} = \frac{3}{100}$$

$$\frac{2}{6} * \frac{3}{9} = \frac{1}{9}$$

$$\frac{3}{4} * \frac{4}{5} = \frac{3}{5}$$

$$\frac{9}{15} * \frac{4}{28} = \frac{3}{35}$$

$$\frac{9}{15} / \frac{28}{4} = \frac{21}{5}$$

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Exercises - Part II
Calculate

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

$$\frac{13}{3} / \frac{1}{18} = 78$$

$$\frac{36}{7} * \frac{3}{4} = \frac{27}{7}$$

$$\frac{45}{5} * 3 = 27$$

$$2 * \frac{57}{8} = \frac{57}{4}$$

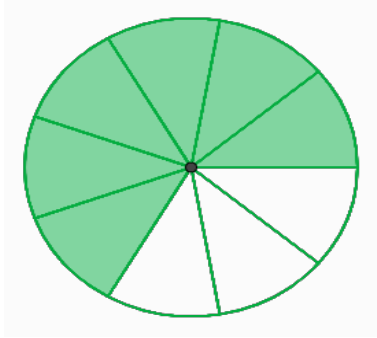
$$\frac{5}{45} / 3 = \frac{1}{27}$$

$$\frac{9}{15} / \frac{4}{30} = \frac{9}{2}$$

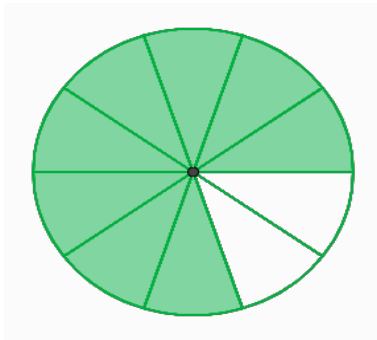
$$\frac{9}{15} / \frac{2}{7} = \frac{21}{10}$$

Fraction – Multiply and Divide
 Visual exercises
 Find the original operation

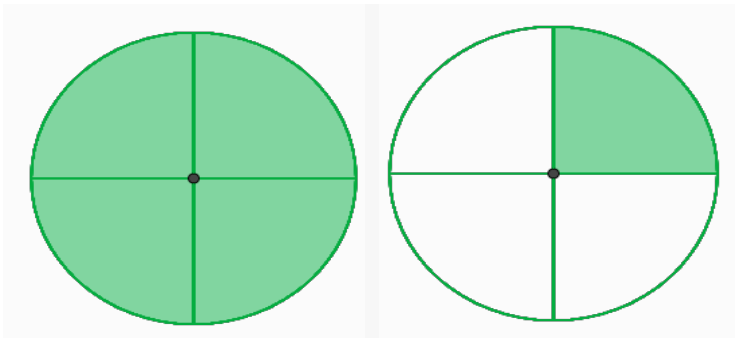
Name _____
 Date _____



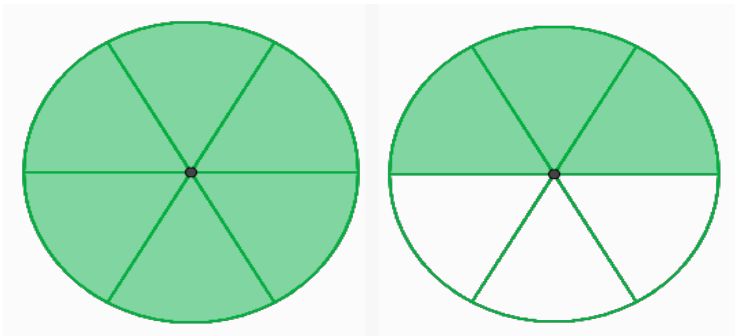
$$= \frac{3}{3} * \frac{2}{3}$$



$$= \frac{4}{2} * \frac{2}{5}$$



$$= \frac{5}{2} * \frac{1}{2}$$



$$= \frac{1}{2} * \frac{9}{3}$$