

Section 2.1 Exercises

Multiplying Fractions

Exercise 1

Explain how to multiply two fractions.

First, , then .

Exercise 2

Name the missing denominator.

$$\frac{3}{7} \times \frac{1}{\square} = \frac{3}{28}$$

The missing denominator is .

Exercise 3

Choose two mixed numbers between 3 and 4 that have a product between 9 and 12.

and have a product between 9 and 12.

$$3\frac{7}{8} \quad 3\frac{1}{2} \quad 4\frac{1}{8} \quad 3\frac{1}{7} \quad 2\frac{1}{9}$$

Exercise 13

Multiply. Write the answer in simplest form.

$$6 \times \frac{7}{8} = \square$$

Exercise 15

Multiply. Write the answer in simplest form.

$$\frac{4}{9} \times \frac{4}{5} = \square$$

Exercise 17

Multiply. Write the answer in simplest form.

$$\frac{5}{6} \times \frac{2}{9} = \square$$

Exercise 19

Multiply. Write the answer in simplest form.

$$\frac{7}{9} \times \frac{21}{10} = \square$$

Exercise 21

In an aquarium, $\frac{2}{5}$ of the fish are surgeonfish. Of these, $\frac{3}{4}$ are yellow tangs. In simplest form, what fraction of all fish in the aquarium are yellow tangs?

of all fish in the aquarium are yellow tangs.

Exercise 27

Multiply. Write the answer in simplest form.

$$6\frac{2}{3} \times \frac{3}{10} = \square$$

Exercise 29

Multiply. Write the answer in simplest form.

$$\frac{3}{5} \times 3\frac{1}{3} = \square$$

Exercise 31

Multiply. Write the answer in simplest form.

$$\frac{5}{9} \times 3\frac{3}{5} = \square$$

