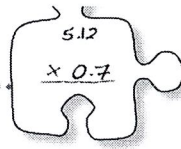


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5.2.2 How will multiplying change my number?



Fraction Multiplication Number Sense

This page is a review of how to multiply fractions.

5-3 Find each product, support your work with a diagram. You can use notebook page 117 if you need additional space for your diagrams.

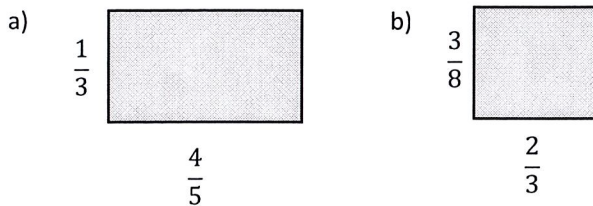
a) $\frac{3}{4} \cdot \frac{1}{3}$ b) $\frac{1}{3} \cdot \frac{3}{10}$ c) $\frac{1}{10} \cdot \frac{1}{10}$

d) $\frac{1}{5} \cdot \frac{1}{7}$ e) $\frac{4}{4} \cdot \frac{2}{3}$

5-12 Use multiple representations (fractions, decimals and percents) to help you solve the problems below.

a) $\frac{2}{9}$ of 80% b) 30% of $2\frac{7}{8}$ → $16 + 7 =$

5-14 Find the area of the rectangles below.



5-50 Simplify the following decimal expressions.

a) $(1.8)(0.3)$ b) 0.08 of 150

5-33 Find the following products.

a) $2\frac{2}{3} \cdot \frac{3}{11}$ b) $4.8 \cdot 1.675$ c) $\frac{4}{7} \cdot 2\frac{1}{2}$

$\frac{1}{4}$
 $\frac{2}{3}$

$$\begin{array}{r} 221 \\ 64000 \\ 8000 \\ 4800 \\ 2800 \\ 700 \\ 40 \\ \hline 80400 \end{array}$$

7 2 14 120 110

5-3

a) $\frac{3}{12}$ b) $\frac{3}{30}$ c) $\frac{1}{100}$ d) $\frac{1}{35}$ e) $\frac{8}{12} = \frac{4}{6} = \frac{2}{3}$

5-12

a) $\frac{2}{9} \times \frac{8}{10} = \frac{16}{90} = \frac{8}{45}$ b) $\frac{3}{10} \times \frac{23}{8} = \frac{69}{80}$

5-14

a) $\frac{1}{3} \times \frac{4}{5} = \frac{4}{15}$ b) $\frac{3}{8} \times \frac{2}{3} = \frac{6}{24} = \frac{1}{4}$

5-20

a) $\begin{array}{r} 1.8 \\ \times 0.3 \\ \hline 54 \end{array} = 0.54$

b) $\begin{array}{r} 150 \\ \times 0.08 \\ \hline 1200 \end{array} = 12$

5-33

a) $\frac{8}{3} \times \frac{3}{11} = \frac{24}{33} = \frac{8}{11}$

b) $\begin{array}{r} 1.675 \\ \times 4.8 \\ \hline 80400 \end{array} \times \frac{1}{4} = 8.04$

	1000	1000	70	5	
40	40000	24000	2800	200	221
8	8000	4800	560	40	22
					64000
					8000
					4800
					2800
					760
					40
					<u>80400</u>

c) $\frac{4}{7} \cdot \frac{5}{2} = \frac{20}{14} = \frac{10}{7} = \frac{3}{10}$

5-3 Diagrams

5.2.2. Resource Page

