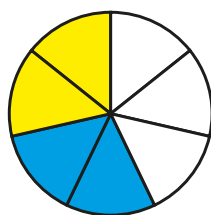


# Multiply fractions by integers

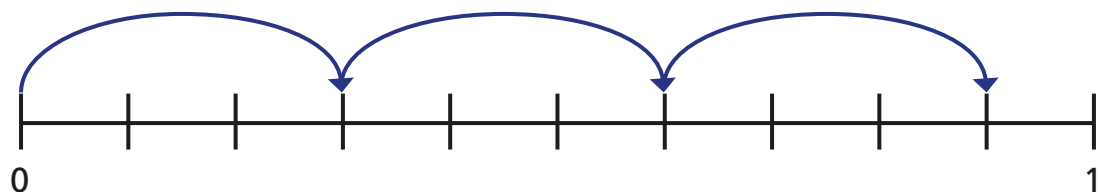
1 Complete the calculations.

a)

$$\frac{2}{7} \times 2 = \boxed{\frac{4}{7}}$$

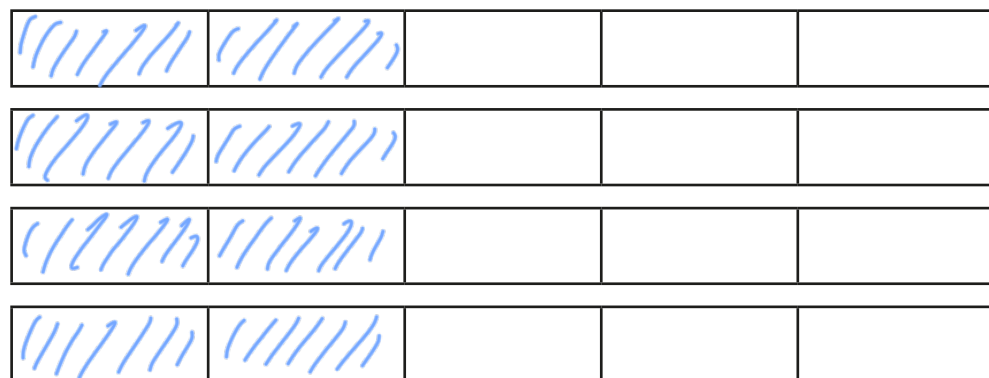


b)



$$3 \times \frac{3}{10} = \boxed{\frac{9}{10}}$$

2 a) Shade the bar models to show  $\frac{2}{5} \times 4$



b) Complete the multiplication.

$$\frac{2}{5} \times 4 = \boxed{\frac{8}{5}} = 1\frac{3}{5}$$

3 Complete the calculations.

$$\text{a) } \frac{1}{3} \times 1 = \boxed{\frac{1}{3}}$$

$$\text{b) } \frac{3}{4} \times 1 = \boxed{\frac{3}{4}}$$

$$\frac{1}{3} \times 2 = \boxed{\frac{2}{3}}$$

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

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

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

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

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

$$\frac{1}{3} \times 5 = \boxed{1\frac{2}{3}}$$

$$\frac{3}{4} \times 5 = \boxed{3\frac{3}{4}}$$

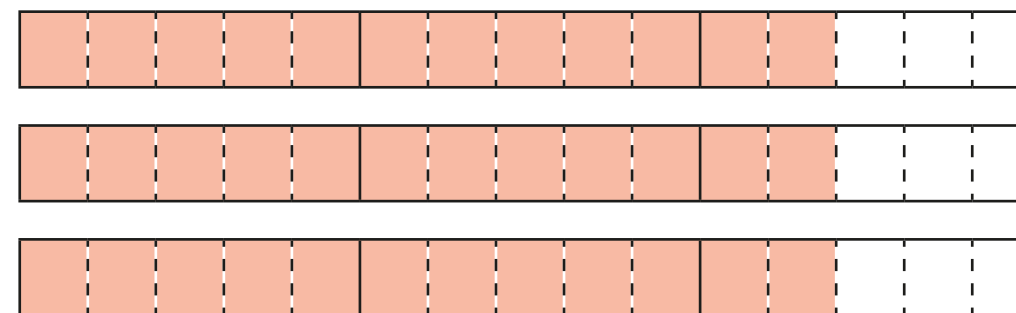
$$\frac{1}{3} \times 6 = \boxed{2}$$

$$\frac{3}{4} \times 6 = \boxed{4\frac{1}{2}}$$

What patterns do you notice?

4 Complete the multiplication.

$$2\frac{2}{5} \times 3 = \boxed{7\frac{1}{5}}$$



What method did you use? Is there a different method you could have used?

- 5 Match the calculations.

$\frac{2}{3} + \frac{2}{3}$	$\frac{1}{2} \times 6$
$\frac{1}{4} \times 24$	$18 \times \frac{1}{4}$
$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$	$\frac{1}{6} \times 10$
$\frac{5}{12} \times 4$	$12 \times \frac{1}{2}$
$1\frac{1}{2} \times 3$	$\frac{1}{3} \times 4$

- 6 Write each answer as a mixed number in its simplest form.

a)  $1\frac{1}{5} \times 2 = 2\frac{2}{5}$       d)  $2\frac{2}{5} \times 5 = 12$

b)  $2\frac{1}{6} \times 3 = 6\frac{1}{2}$       e)  $7 \times 3\frac{1}{2} = 24\frac{1}{2}$

c)  $2\frac{2}{5} \times 4 = 9\frac{3}{5}$       f)  $\frac{11}{15} \times 7 = 5\frac{2}{15}$

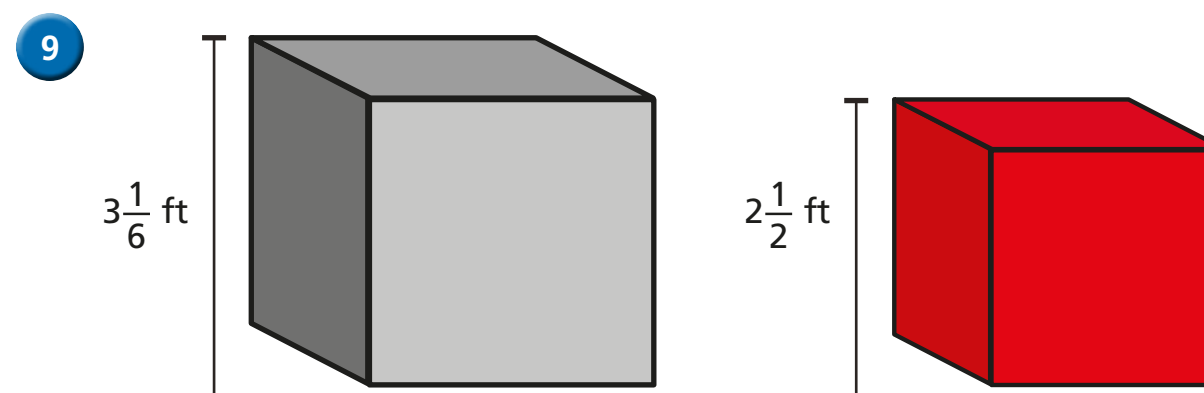
- 7 Fill in the missing numbers.

a)  $2\frac{\boxed{2}}{7} \times 3 = 6\frac{6}{7}$

b)  $2\frac{\boxed{4}}{8} \times 3 = 7\frac{1}{2}$

- 8 Tommy's dog eats  $3\frac{1}{2}$  tins of food a week.  
How many tins does she eat in a year?

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Jack builds a tower using grey blocks.  
Alex builds a tower using red blocks.  
The towers are exactly the same height.  
How many blocks could they each have used?

Jack could use 15 and Alex use 19