Multiply fractions by integers

1 Complete the calculations.

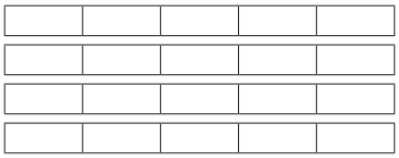
a)

$\frac{2}{7} \times 2 = \square$

b)

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

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



b) Work out the multiplication.

$\frac{2}{5} \times 4$

3 Complete the calculations.

a) $\frac{1}{3} \times 1$ $\quad \frac{1}{3} \times 2$ $\quad \frac{1}{3} \times 3$

$\frac{1}{3} \times 4$ $\quad \frac{1}{3} \times 5$ $\quad \frac{1}{3} \times 6$

b) $\frac{3}{4} \times 1$ $\quad \frac{3}{4} \times 2$ $\quad \frac{3}{4} \times 3$

$\frac{3}{4} \times 4$ $\quad \frac{3}{4} \times 5$ $\quad \frac{3}{4} \times 6$

What patterns do you notice?

4 Complete the multiplication.

$2\frac{2}{5} \times 3 = \square$

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

Multiply fractions by integers

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) $1\frac{1}{5} \times 2$ $\quad$ **d)** $2\frac{2}{5} \times 5$

b) $2\frac{1}{6} \times 3$ $\quad$ **e)** $7 \times 3\frac{1}{2}$

c) $2\frac{2}{5} \times 4$ $\quad$ **f)** $\frac{11}{15} \times 7$

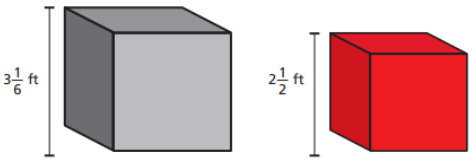
7 Fill in the missing numbers.

a) $2\frac{\square}{7} \times 3 = 6\frac{6}{7}$ $\quad$ **b)** $2\frac{\square}{8} \times 3 = 7\frac{1}{2}$

8 Tommy's dog eats $3\frac{1}{2}$ tins of food a week.

How many tins does she eat in a year?

9



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?