Multiply fractions by integers

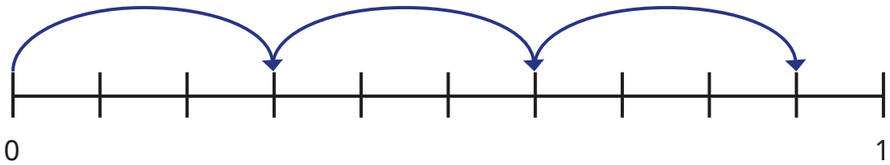
1 Complete the calculations.

a)

$\frac{2}{7} \times 2 =$ ☐



b)



$3 \times \frac{3}{10} =$ ☐

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

b) Complete the multiplication.

$\frac{2}{5} \times 4 =$ ☐

3 Complete the calculations.

a)

$\frac{1}{3} \times 1 =$ ☐

$\frac{1}{3} \times 2 =$ ☐

$\frac{1}{3} \times 3 =$ ☐

$\frac{1}{3} \times 4 =$ ☐

$\frac{1}{3} \times 5 =$ ☐

$\frac{1}{3} \times 6 =$ ☐

b)

$\frac{3}{4} \times 1 =$ ☐

$\frac{3}{4} \times 2 =$ ☐

$\frac{3}{4} \times 3 =$ ☐

$\frac{3}{4} \times 4 =$ ☐

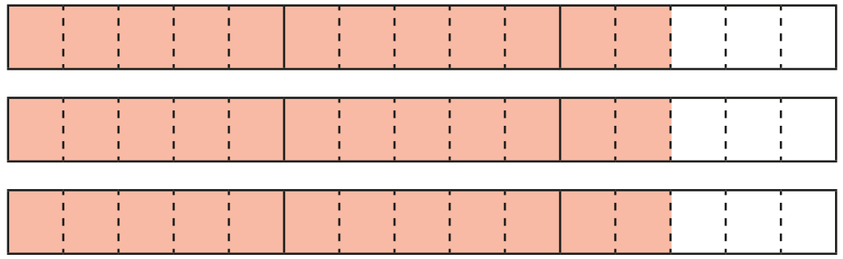
$\frac{3}{4} \times 5 =$ ☐

$\frac{3}{4} \times 6 =$ ☐

What patterns do you notice?

4 Complete the multiplication.

$2\frac{2}{5} \times 3 =$ ☐



What method did you use?

Is there a different method you could have used?

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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) $1\frac{1}{5} \times 2 =$ ☐

b) $2\frac{1}{6} \times 3 =$ ☐

c) $2\frac{2}{5} \times 4 =$ ☐

d) $2\frac{2}{5} \times 5 =$ ☐

e) $7 \times 3\frac{1}{2} =$ ☐

f) $\frac{11}{15} \times 7 =$ ☐

7 Fill in the missing numbers.

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

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

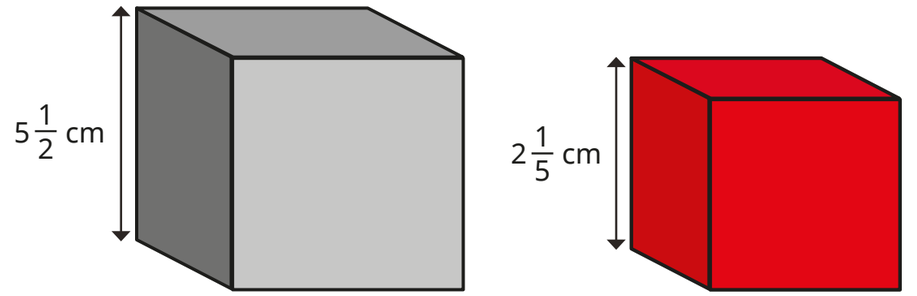
8 Tommy's dog eats $3\frac{1}{2}$ tins of food a week.

How many tins does she eat in a year?

☐

9 A grey block is $5\frac{1}{2}$ cm tall.

A red block is $2\frac{1}{5}$ cm tall.



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 there be in each tower?

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