1 **a)** Work out $\frac{1}{3} \times 6$

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

b) Work out $\frac{1}{3}$ of 6

6
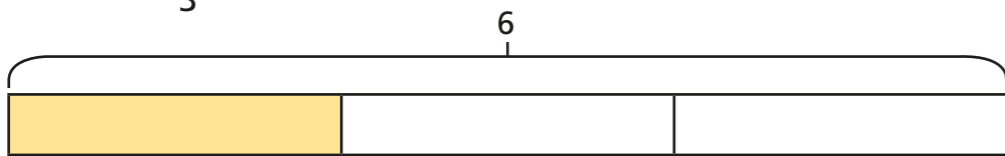
$$\frac{1}{3} \text{ of } 6 = \boxed{} \div \boxed{} = \boxed{}$$

c) What is the same about these calculations?

d) Work out $\frac{2}{3}$ of 6

$$\frac{2}{3} \text{ of } 6 = \boxed{} \div \boxed{} \times 2 = \boxed{}$$

e) Work out $\frac{2}{3} \times 6$

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

2 Complete the calculations.

a) $\frac{1}{3} \times 12 = \boxed{}$

$\frac{1}{3}$ of $12 = \boxed{}$

b) $12 \times \frac{1}{4} = \boxed{}$

$\frac{1}{4}$ of $12 = \boxed{}$

c) $12 \times \frac{2}{3} = \boxed{}$

$\frac{2}{3}$ of $12 = \boxed{}$

d) $\frac{3}{4} \times 12 = \boxed{}$

$\frac{3}{4}$ of $12 = \boxed{}$

What do you notice?

3 Tick the calculation in each pair that is easier to work out.

a) $\frac{1}{5} \times 7$ $\frac{1}{5}$ of 7

b) $\frac{1}{5} \times 10$ $\frac{1}{5}$ of 10

c) $\frac{3}{5} \times 10$ $\frac{3}{5}$ of 10

d) $\frac{3}{10} \times 5$ $\frac{3}{10}$ of 5

Compare answers with a partner.
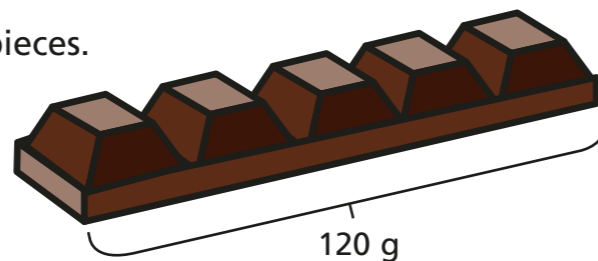
4 Complete the calculations.

a) $\dfrac{5}{6} \times 12 = \dfrac{\boxed{}}{\boxed{}}$ of 12 = $\boxed{}$

b) $\dfrac{3}{4} \times 24 = \dfrac{\boxed{}}{\boxed{}}$ of 24 = $\boxed{}$

c) $\dfrac{2}{7} \times \boxed{} = \dfrac{\boxed{}}{\boxed{}}$ of 28 = $\boxed{}$

d) $\dfrac{\boxed{}}{\boxed{}} \times 45 = \dfrac{4}{5}$ of $\boxed{}$ = $\boxed{}$

5 A bar of chocolate has 5 equal pieces.

The whole bar weighs 120g.

120 g

How much do three pieces weigh?

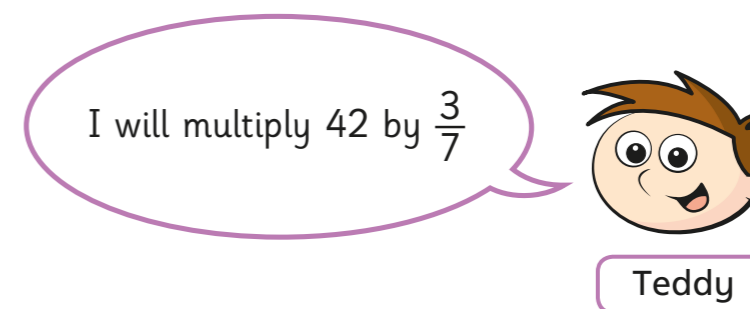**a)** Write two calculations that will give the answer to the problem.

b) Work out the answer.

Three pieces of chocolate weigh $\boxed{}$

6 Teddy and Annie are working out $\dfrac{3}{7} \times 42$

a)

I will multiply 42 by $\dfrac{3}{7}$

Teddy

Use Teddy's method to work out the calculation.

$\boxed{}$

b)

I will find $\dfrac{3}{7}$ of 42

Annie

Use Annie's method to work out the calculation.

$\boxed{}$

c) Whose method do you prefer? _____

Explain why.

_____

_____

_____

d) When is it easier to find fractions of amounts rather than multiply fractions?

Give some examples for each method.