

26.2.21

L.O. To use fractions as operators

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



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

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

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

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

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

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

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

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

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

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

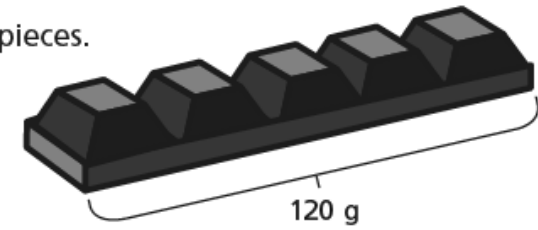
$\frac{3}{5}$ of 10

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

$\frac{3}{10}$ of 5

4. A bar of chocolate has 5 equal pieces.

The whole bar weighs 120g.



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