

Investigate fractions

Find fractions of amounts



You will need:

- 15 counters



- Challenge 1**
- 1 How many fractions can you divide 12 counters into? Try out different fractions to see if they work.

Record it like this: 12

$\frac{1}{2}$ of 12 is

- 2 Now try with 15 counters.

You will need:

- 20 counters



- Challenge 2**
- 1 How many fractions can you divide 16 counters into? Try out different fractions to see if they work. Record the fractions that divide evenly and the fractions that do not divide evenly.

Record it like this: 16

$\frac{1}{2}$ of 16 = $16 \div 2 =$

$\frac{1}{3}$ of 16 = $16 \div 3$ Does not divide evenly

- 2 Now try with 20 counters.
- 3 Choose your own number to investigate.

- Challenge 3**
- 1 How many fractions can you divide 24 into evenly? Use division to find the fractions.

Record it like this: 24

$\frac{1}{2}$ of 24 = $24 \div 2 =$

- 2 Now investigate 30.
- 3 Explain the link between fractions and knowing your multiplication and division facts.