

To be able to find a fraction of an amount (1)

MathShed

Starter:

Which one does not belong?

Explain your answer.

To be able to find a fraction of an amount (1)

MathShed

Activity 1:

Circle $\frac{1}{3}$ of the cubes below.

The whole amount is __.

__ cubes have been circled

$\frac{1}{3}$ of __ = __.

To be able to find a fraction of an amount (1)

MathShed

Activity 2:

Draw stars in the bar model below to help you find $\frac{1}{2}$ of 10.

$\frac{1}{2}$ of 10 = __

Draw stars in the bar model below to help you find $\frac{1}{3}$ of 18.

$\frac{1}{3}$ of 18 = __

To be able to find a fraction of an amount (1)

MathShed

Activity 3:

Complete the table below.

fraction	division rule	example	illustration
$\frac{1}{2}$	divide by 2	$\frac{1}{2}$ of 10 = 5	
$\frac{1}{3}$			
$\frac{1}{4}$			

To be able to find a fraction of an amount (1)

MathShed

Activity 4:

Use mathematical equipment and bar models to help you find the following:

$\frac{1}{3}$ of 96 = __

$\frac{1}{4}$ of 88 = __

$\frac{1}{5}$ of 55 = __

To be able to find a fraction of an amount (1)

MathShed

Activity 5:

Complete the number sentences below.

$\frac{1}{2}$ of __ = 23

$\frac{1}{3}$ of __ = 22

$\frac{1}{4}$ of __ = 15

$\frac{1}{5}$ of __ = 70

To be able to find a fraction of an amount (1)



Activity 6:

Which is heavier?

$\frac{1}{5}$ of 70 kg

$\frac{1}{3}$ of 48 kg

Explain your answer.

To be able to find a fraction of an amount (1)



Activity 7:

Jamal says, "I have one third of 36 cubes."

Ruth says, "I have a quarter of 36 cubes."

Yasmin says, "I have 10 cubes."

Put the friends in order, starting with the person with the fewest cubes and finishing with the person with the most cubes.

Provide your working out to explain your answer.

Express the combined amount of cubes they have as a fraction over 36.

To be able to find a fraction of an amount (1)



Evaluation:



To find a fraction of an amount, you divide the amount by the numerator.

Do you agree?

Provide examples to explain your answer.