Fractions of a number : HALF

Shaded part is **one** part out of two equal parts. This can be written as a fraction like this:

1 ← This **one** belongs to the shaded part

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2 ← This two belongs to the total number of equal parts inside the rectangular shape

Fraction of a number:	Finding the answer by shading the shape:	How can you use your 2 times tables to answer the question:
$\dfrac{1}{2}$ of 2 =	(Total of 2 equal parts)	How many 2s in 2 2 x ☐ = 2
$\dfrac{1}{2}$ of 4 =	(Total of 4 equal parts)	How many 2s in 4 2 x ☐ = 4
$\dfrac{1}{2}$ of 6 =	(Total of 6 equal parts)	How many 2s in 6 2 x ☐ = 6
$\dfrac{1}{2}$ of 8 =	(Total of 8 equal parts)	How many 2s in 8 2 x ☐ = 8
$\dfrac{1}{2}$ of 14 =		How many 2s in 14 2 x ☐ = 14
$\dfrac{1}{2}$ of 22 =		How many 2s in 22 2 x ☐ = 22

Fractions of a number : QUARTER

Shaded part is **one** part out of four equal parts. This can be written as a fraction like this:
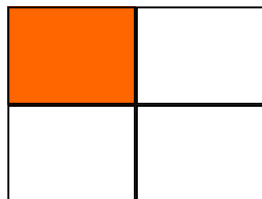
1 ⟵ This **one** belongs to the shaded part

4 ⟵ This four belongs to the total number of equal parts inside the rectangular shape

Fraction of a number:	Finding the answer by shading the shape:	How can you use the 4 times tables to answer the question:
$\dfrac{1}{4}$ of 4 =	(Total of 4 equal parts)	How many 4s in 4 4 x ☐ = 4
$\dfrac{1}{4}$ of 8 =	(Total of 8 equal parts)	How many 4s in 8 4 x ☐ = 8
$\dfrac{1}{4}$ of 12 =	(Total of 12 equal parts)	How many 4s in 12 4 x ☐ = 12
$\dfrac{1}{4}$ of 16 =		How many 4s in 16 4 x ☐ = 16
$\dfrac{1}{4}$ of 32 =		How many 4s in 32 4 x ☐ = 32
$\dfrac{1}{4}$ of 48 =		How many 4s in 48 4 x ☐ = 48

Fractions of a number : Lots of QUARTERS

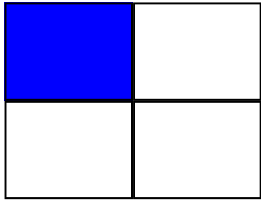Shaded part is **one** part out of four equal parts. This can be written as a fraction like this:
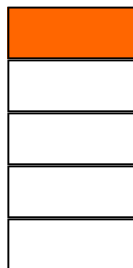
1 ⟵———— This **one** belongs to the shaded part

4 ⟵———— This four belongs to the total number of equal parts inside the rectangular shape

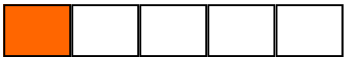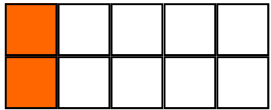| Fraction of a number:	Finding the answer by shading the shape:		How can you use your times tables to answer the question:
$\dfrac{2}{4}$ of 4 =		(This means two lots of quarters inside a shape with 4 equal parts, Shade in 2 out of every 4 parts)	$\frac{2}{4}$ of 4 is the same as 2 lots of ($\frac{1}{4}$ of 4) 2 x (How many 4s in 4)
$\dfrac{3}{4}$ of 4 =		(This means three lots of quarters inside a shape with 4 equal parts, Shade in 3 out of every 4 parts)	$\frac{3}{4}$ of 4 is the same as 3 lots of ($\frac{1}{4}$ of 4) 3 x (How many 4s in 4)
$\dfrac{1}{4}$ of 8 =		(This means one lots of quarters inside a shape with 8 equal parts, Shade in 1 out of every 4 parts)	$\frac{1}{4}$ of 8 is the same as 1 lot of ($\frac{1}{4}$ of 8) 1 x (How many 4s in 8)
$\dfrac{2}{4}$ of 8 =		(This means two lots of quarters inside a shape with 8 equal parts, Shade in 2 out of every 4 parts)	$\frac{2}{4}$ of 8 is the same as 2 lots of ($\frac{1}{4}$ of 8) 2 x (How many 4s in 8)
$\dfrac{3}{4}$ of 8 =		(This means three lots of quarters inside a shape with 8 equal parts, Shade in 3 out of every 4 parts)	$\frac{3}{4}$ of 8 is the same as 3 lots of ($\frac{1}{4}$ of 8) 3 x (How many 4s in 8)

Fractions of a number : FIFTH

Shaded part is **one** part out of five equal parts. This can be written as a fraction like this:

1 ← This **one** belongs to the shaded part

5 ← This five belongs to the total number of equal parts inside the rectangular shape

Fraction of a number:	Finding the answer by shading the shape:	How can you use the 5 times tables to answer the question:
$\dfrac{1}{5}$ of 5 =	(Total of 5 equal parts)	How many 5s in 5 $5 \times \square = 5$
$\dfrac{1}{5}$ of 10 =	(Total of 10 equal parts)	How many 5s in 10 $5 \times \square = 10$
$\dfrac{1}{5}$ of 15 =	(Total of 15 equal parts)	How many 5s in 15 $5 \times \square = 15$
$\dfrac{1}{5}$ of 25 =		How many 5s in 25 $5 \times \square = 25$
$\dfrac{1}{5}$ of 40 =		How many 5s in 40 $5 \times \square = 40$
$\dfrac{1}{5}$ of 55 =		How many 5s in 55 $5 \times \square = 55$

Fractions of a number : Lots of FIFTHS

Shaded part is **one** part out of five equal parts. This can be written as a fraction like this:

1 ← This **one** belongs to the shaded part

5 ← This five belongs to the total number of equal parts inside the rectangular shape

| Fraction of a number:	Finding the answer by shading the shape:	How can you use your times tables to answer the question:
$\dfrac{2}{5}$ of 5 =	(This means two lots of fifths inside a shape with 5 equal parts, Shade in 2 out of every 5 parts)	$\dfrac{2}{5}$ of 5 is the same as 2 lots of ($\dfrac{1}{5}$ of 5) 2 x (How many 5s in 5)
$\dfrac{3}{5}$ of 5 =	(This means three lots of fifths inside a shape with 5 equal parts, Shade in 3 out of every 5 parts)	$\dfrac{3}{5}$ of 5 is the same as 3 lots of ($\dfrac{1}{5}$ of 5) 3 x (How many 5s in 5)
$\dfrac{4}{5}$ of 5 =	(This means four lots of fifths inside a shape with 5 equal parts, Shade in 4 out of every 5 parts)	4 x (How many 5s in 5)
$\dfrac{2}{5}$ of 10 =	(This means two lots of fifths inside a shape with 10 equal parts, Shade in 2 out of every 5 parts)	$\dfrac{2}{5}$ of 10 is the same as 2 lots of ($\dfrac{1}{5}$ of 10) 2 x (How many 5s in 10)
$\dfrac{3}{5}$ of 10 =	(This means three lots of fifths inside a shape with 10 equal parts, Shade in 3 out of every 5 parts)	3 x (How many 5s in 10)

Fractions of a number : Lots of TENTHS

Shaded part is **one** part out of ten equal parts. This can be written as a fraction like this:

1 ◄——— This **one** belongs to the shaded part
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10◄——— This ten belongs to the total number of equal parts inside the rectangular shape

Fraction of a number:	Finding the answer by shading the shape:	How can you use your times tables to answer the question:
$\dfrac{2}{10}$ of 10 =	(This means two lots of tenths inside a shape with 10 equal parts, Shade in 2 out of every 10 parts)	$\dfrac{2}{10}$ of 10 is the same as 2 lots of ($\dfrac{1}{10}$ of 10) 2 x (How many 10s in 10)
$\dfrac{3}{10}$ of 20 =	(This means three lots of tenths inside a shape with 20 equal parts, Shade in 3 out of every 10 parts)	$\dfrac{3}{10}$ of 20 is the same as 3 lots of ($\dfrac{1}{10}$ of 20) 3 x (How many 10s in 20)
$\dfrac{4}{10}$ of 20 =	(This means four lots of tenths inside a shape with 20 equal parts, Shade in 4 out of every 10 parts)	$\dfrac{4}{10}$ of 20 is the same as 4 lots of ($\dfrac{1}{10}$ of 20) 4 x (How many 10s in 20)
$\dfrac{2}{10}$ of 30 =	(This means two lots of tenths inside a shape with 30 equal parts, Shade in 2 out of every 10 parts)	$\dfrac{2}{10}$ of 30 is the same as 2 lots of ($\dfrac{1}{10}$ of 30) 2 x (How many 10s in 30)
$\dfrac{7}{10}$ of 40 =	(This means seven lots of tenths inside a shape with 40 equal parts, Shade in 7 out of every 10 parts)	$\dfrac{7}{10}$ of 40 is the same as 7 lots of ($\dfrac{1}{10}$ of 40) 7 x (How many 10s in 40)

Fractions as "LOTS OF"
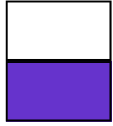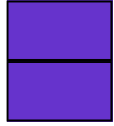
This shape has half of it coloured in.

This means here, there is ONE lot of a half. $\mathbf{1}$ lot of $\dfrac{1}{2}$
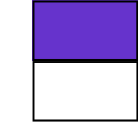
Here you can see that the other half of the shape has been coloured in.

This means here, there is ONE lot of a half.

It does not matter which half has been coloured in. $\mathbf{1}$ lot of $\dfrac{1}{2}$

Here both the halves are coloured in.

In Maths we can say we have 2 lots of halves. $\mathbf{2}$ lots of $\dfrac{1}{2}$
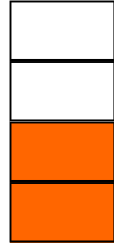
This shape has a quarter of it coloured in. This means here, there is ONE lot of a quarter.

$\mathbf{1}$ lot of $\dfrac{1}{4}$ this is the **same as** $\dfrac{1}{4}$

Here you can see that one of the other quarters has been coloured in. It still means, there is ONE lot of a quarter. It does not matter which quarter has been coloured in.

Here TWO of the quarters have been coloured in.
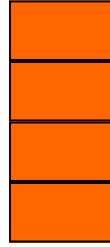
In Maths we can say we have 2 lots of quarters.

$\mathbf{2}$ lots of $\dfrac{1}{4}$ this is the **same as** $\dfrac{2}{4}$

Here THREE of the quarters have been coloured in.

In Maths we can say we have 3 lots of quarters.

$\mathbf{3}$ lots of $\dfrac{1}{4}$ this is the **same as** $\dfrac{3}{4}$

Here all FOUR of the quarters have been coloured in.

In Maths we can say we have 4 lots of quarters.

$\mathbf{4}$ lots of $\dfrac{1}{4}$