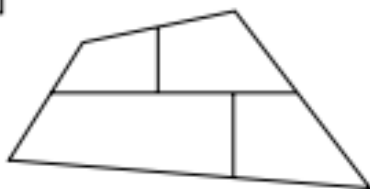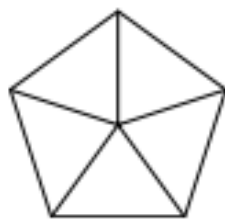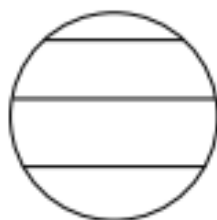# Which are quarters?

Circle the shapes that show quarters. Colour one quarter of each of these shapes.

I can say when an object is divided into quarters
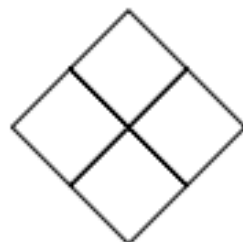
Fractions: Understanding and explaining
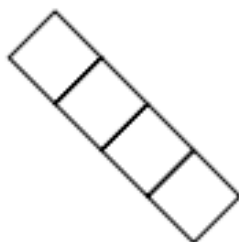
Quarters

Colour each shape to match the fraction.
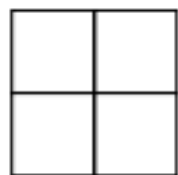
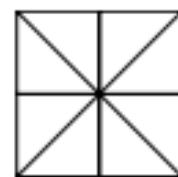1. 2 quarters

2. 1 quarter

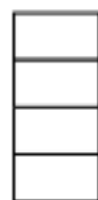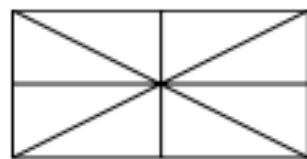3. 3 quarters

4. 3 quarters

5. 4 quarters

6. 2 quarters
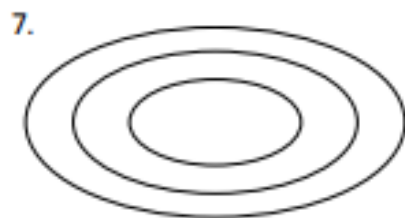
7. 2 quarters

8. 1 quarter

9. 2 quarters

10. 2 quarters

I can find quarters of a shape

Fractions: Understanding and explaining

Finding quarters

Draw lines to split each shape into quarters. Colour one quarter of each shape.

1.

2.

3.

4.

5.

6.

7.

8.

Halves to quarters

Use cubes to make each starting number. Find a half and then a quarter. Complete the table.

8 cubes

4 cubes
$\frac{1}{2}$ of 8 = 4

2 cubes
$\frac{1}{2}$ of 4 = 2
$\frac{1}{4}$ of 8 = 2

Number of cubes	Half	Quarter
8	4	2
12		
16		
20		
24		
28		
32		

Quarters

Use cubes to make each starting number. Find a quarter, two quarters, a half and three quarters. Complete the table. What do you notice?

$\frac{1}{4}$ of 16 = 4 $\frac{2}{4}$ of 16 = 8 $\frac{3}{4}$ of 16 = 12

Number of cubes	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
8				
12				
16	4	8	8	12
20				
24				
28				
32				

I can find halves and quarters of a number of objects

Fractions: Understanding and explaining

Writing fractions

Fill in the number of shaded parts and the fractions shaded. Then make up some of your own.
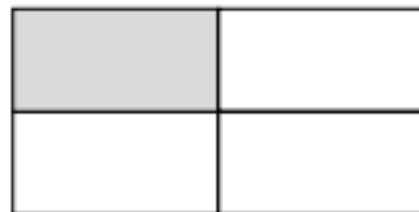
1.

I whole shape divided into 4 **equal** parts.
There are 4 **quarters**.

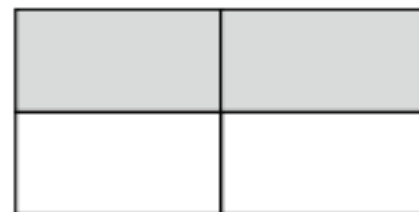Number of shaded parts: __1__

Fraction shaded: $\dfrac{1}{4}$

2.

I whole shape divided into 4 **equal** parts.
There are 4 **quarters**.

Number of shaded parts:____

Fraction shaded: $\dfrac{\square}{\square}$

3.

I whole shape divided into 4 **equal** parts.
There are 4 **quarters**.

Number of shaded parts:____

Fraction shaded: $\dfrac{\square}{\square}$
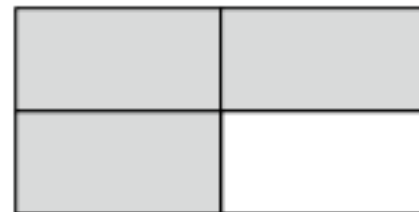
I can make the link between pictures of quarters and the way I write the fractions

Fractions: Understanding and explaining

How many?

Circle four pieces to make each whole fruit and write a mixed number.

1.

$1\frac{1}{4}$ apples

2.

_____ lemons

3.

_____ apples

4.

_____ oranges

5.

_____ lemons

6.

_____ lemons

7.

_____ apples

8.

_____ apples

I can make the link between pictures of quarters and the way I write the fractions

Fractions: Understanding and explaining

Quarters on a number line

Fill in the missing numbers on the number lines.

1.
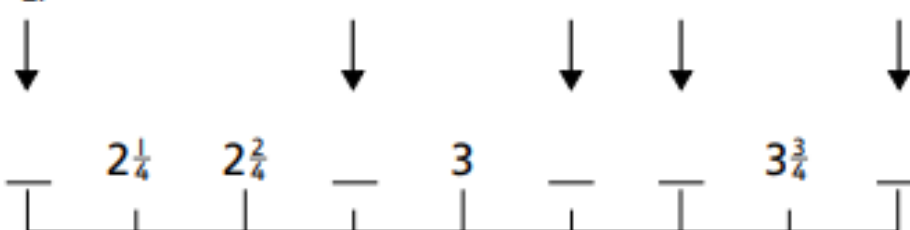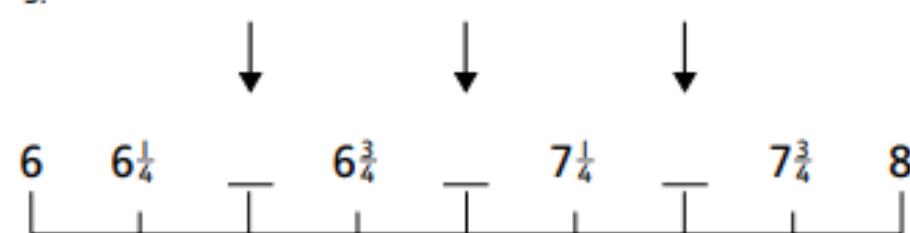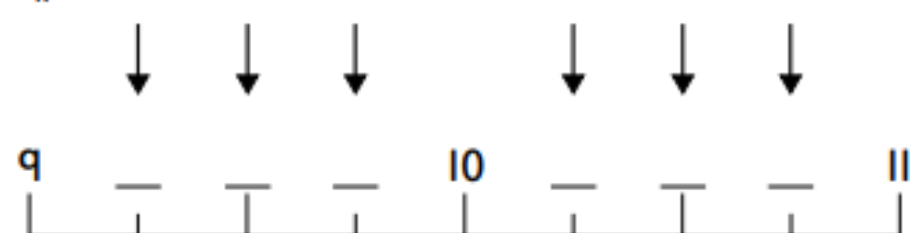
0   $\frac{1}{4}$ $\frac{2}{4}$ ___   1   ___   ___ $1\frac{3}{4}$ 2

2.

___ $2\frac{1}{4}$ $2\frac{2}{4}$ ___   3   ___   ___ $3\frac{3}{4}$ ___

3.

6   $6\frac{1}{4}$ ___ $6\frac{3}{4}$ ___ $7\frac{1}{4}$ ___ $7\frac{3}{4}$ 8

4.

9   ___   ___   ___   10   ___   ___   ___   11

I can count in quarters and record this on a number line

Fractions: Understanding and explaining