

Year 6 – Reasoning practice

Write these temperatures in order, starting with the **lowest**.

6°C

-4°C

1°C

-10°C

3°C

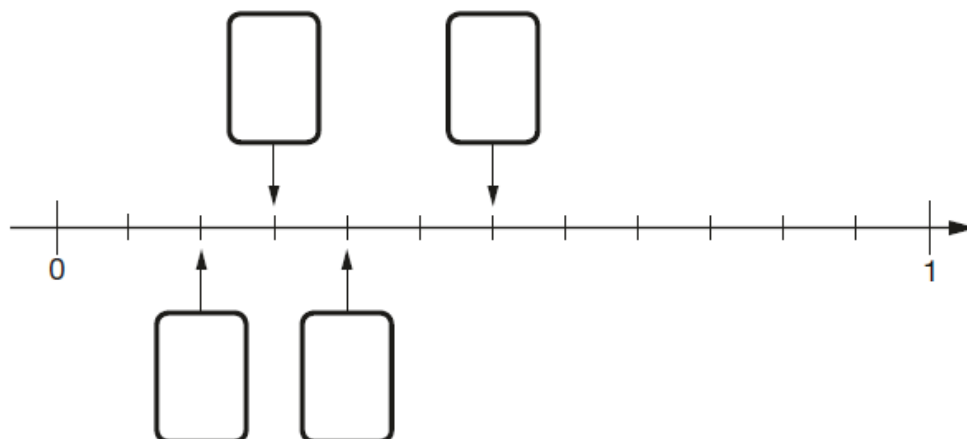
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
$^{\circ}\text{C}$	$^{\circ}\text{C}$	$^{\circ}\text{C}$	$^{\circ}\text{C}$	$^{\circ}\text{C}$

lowest

Here are four fractions.

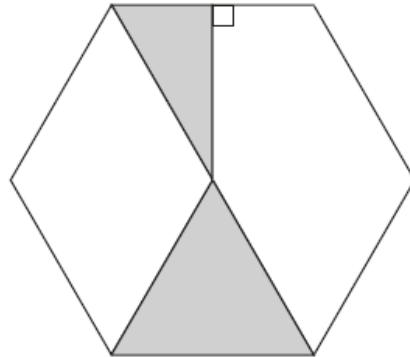
$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{1}{2}$
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Write the fractions in the correct place on the number line.



Here is a regular hexagon.

The area of the large shaded triangle is double the area of the small shaded triangle.



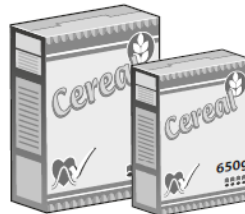
What **fraction** of the whole hexagon is the shaded area?

23

A small box contains **650** grams of cereal.

A large box contains **20% more** cereal.

One portion of cereal is **40** grams.



How many **full** portions are in a **large** box?

Show
your
method

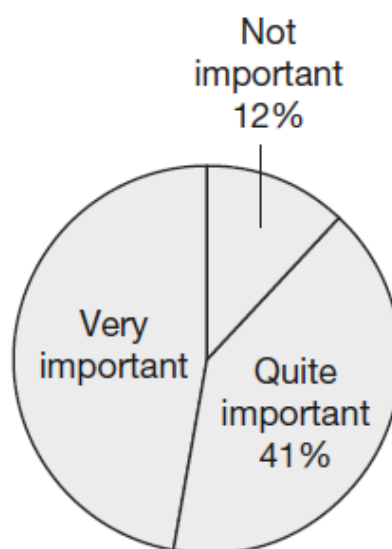
portions

2 marks

1,200 pupils were asked this question:

How important is it to have a break when using a screen?

This chart shows the results.



How many pupils answered 'Very important'?

pupils