

2023 KS2 ARITHMETIC

$95\% \text{ of } 180 =$

$2,800 \div 7 =$

$0.3 \div 10 =$

$450 \div 9 =$

$29.5 - 16.125 =$

$\frac{1}{8} \div 3 =$

$3.2 \times 12 =$

$52\% \text{ of } 700 =$

$\frac{1}{3} \div 6 =$

$2,700 \div 3 =$

$4 \times 702 =$

$2 \times 4 \times 30 =$

$1 + \frac{2}{7} + \frac{5}{7} =$

$38\% \text{ of } 750 =$

$\frac{2}{3} \times 900 =$

$0.4 \times 37 =$

2023 KS2 REASONING

This formula is used to estimate the mass (in kilograms) of young children.

$$\text{mass} = 2 \times (\text{age in years} + 5)$$

6°C -4°C 1°C -10°C 3°C

$\frac{1}{5}$ of a number is 22

The manager of a flower shop orders 4 boxes of red roses.





There are 50 roses in each box.

The manager makes bunches with 6 roses in each bunch.

$754 \times 6 + 754 \times 3 = 754 \times \boxed{}$

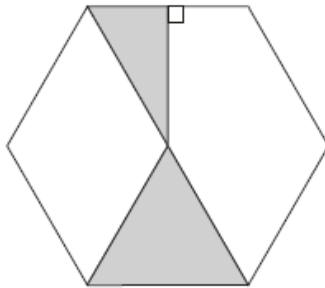
Some children choose their favourite zoo animal.

The pictogram shows the results.

Animal	Number of children
penguin	
elephant	
tiger	
giraffe	

Here is a regular hexagon.

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



$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$
3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5
	6	$6\frac{1}{2}$	7	$7\frac{1}{2}$
		9	$9\frac{1}{2}$	10
			12	$12\frac{1}{2}$



Mushrooms
£3.20 for 1 kg

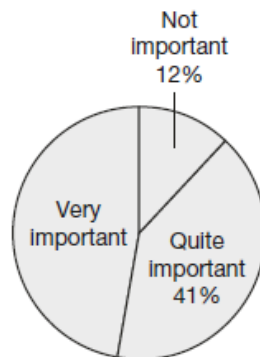


Carrots
60p for 1 kg

1,200 pupils were asked this question:

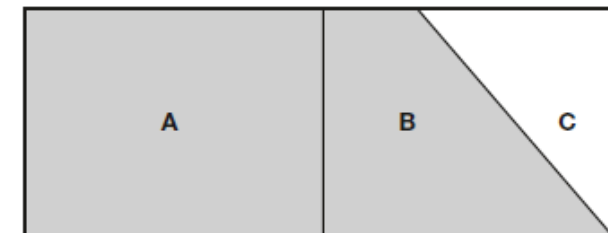
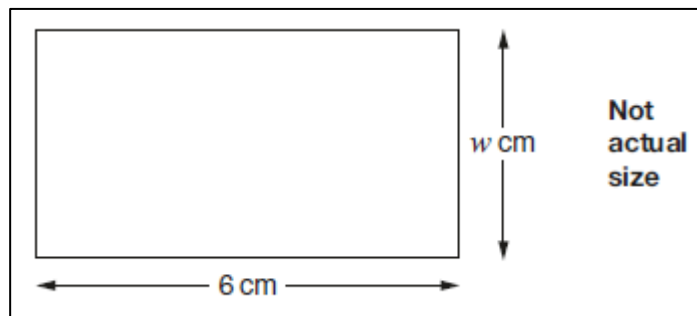
How important is it to have a break when using a screen?

This chart shows the results.



A box of 24 chocolate eggs has a mass of 870 grams.

The empty box has a mass of 30 grams.



Part A is $\frac{1}{2}$ of the area of the rectangle.

Part B is $\frac{1}{3}$ of the area of the rectangle.