

Year 6 Maths Activity Mat

2

Section 1

Order the following numbers from the smallest to largest:
1 101 011 1 110 101 1 100 111 1 010 011

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Section 2

Four classes share 3 boxes of 500 pencils. Ring the amount which is a good estimate of how many pencils each class will have.

42 420 380 38 450 45

Section 3

A box holds six eggs.
There are 532 eggs.
How many full boxes will there be?

Section 4

Simplify the following fractions:

$$\frac{8}{12} = \text{[]}$$

$$\frac{15}{25} = \text{[]}$$

Section 5

Calculate:

$$0.4 \times 100 = \text{[]}$$

$$0.9 \times 100 = \text{[]}$$

$$0.7 \times 100 = \text{[]}$$

Section 6

Convert the following:

$$0.2\text{kg} = \text{[] g}$$

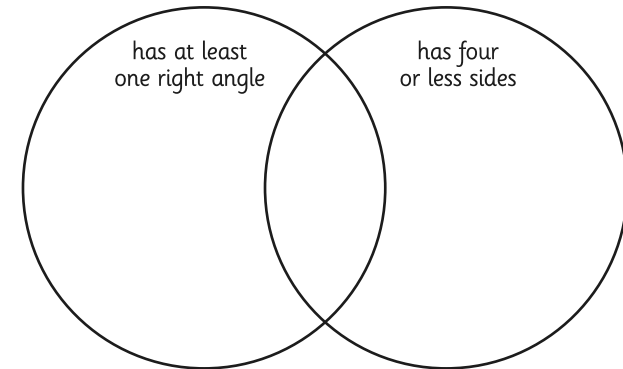
$$\text{[] kg} = 1490\text{g}$$

$$1.2\text{kg} = \text{[] g}$$

$$\text{[] kg} = 1350\text{g}$$

Section 7

Draw two shapes that will go into each area of this Venn Diagram, including outside the circles.



Section 8

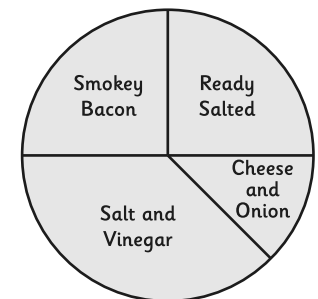
Class **A** researched children's favourite flavour of crisps. They presented the results in a pie chart.

Eight children chose Ready Salted as their favourite. How many children chose Cheese and Onion, Salt and Vinegar and Smokey Bacon?

Cheese and Onion: []

Salt and Vinegar: []

Smokey Bacon: []



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Answers

Section 1

Order the following numbers from the smallest to largest:

1 101 011 1 110 101 1 100 111 1 010 011

1 010 011 1 100 111 1 101 011 1 110 101

Section 5

Calculate:

$$0.4 \times 100 = 40$$

$$0.9 \times 100 = 90$$

$$0.7 \times 100 = 70$$

Section 7

Draw two shapes that will go into each area of this Venn Diagram, including outside the circles.

Example shapes that could appear in each section:

One right angle: Irregular pentagon and hexagon with at least one right angle

Four or less sides: Equilateral triangle, isosceles triangle (no right angle)

Both: Right angled triangle, square

Outside: Regular hexagon, regular octagon

Section 2

Four classes share 3 boxes of 500 pencils. Ring the amount which is a good estimate of how many pencils each class will have.

42 420 380 38 450 45

Section 6

Convert the following:

$$0.2\text{kg} = 200\text{g}$$

$$1.49\text{kg} = 1490\text{g}$$

$$1.2\text{kg} = 1200\text{g}$$

$$1.35\text{kg} = 1350\text{g}$$

Section 3

A box holds six eggs.
There are 532 eggs.
How many full boxes will there be?

88 boxes

Section 4

Simplify the following fractions:

$$\frac{8}{12} = \frac{2}{3}$$

$$\frac{15}{25} = \frac{3}{5}$$

Section 8

Class **A** researched children's favourite flavour of crisps. They presented the results in a pie chart.

Eight children chose Ready Salted as their favourite. How many children chose Cheese and Onion, Salt and Vinegar and Smokey Bacon?

Cheese and Onion: 4

Salt and Vinegar: 12

Smokey Bacon: 8

