Year 6 Maths homework Due in Monday 20th April

Year 6 Maths Activity Mat

①

Section 1

$\frac{3}{5} + \frac{3}{7}$ =

$2\frac{5}{8} - 1\frac{2}{5}$ =

Section 2

53 x 8 =

53 x 80 =

Section 3

Jim, Harry, Jack and Des go on holiday together and share the cost of the car hire and the villa equally.

The car hire costs £145.46 and the villa is £1279.30.

How much does each person pay?

Section 4

Solve these calculations.

20 = 4h + 4

What does **h** equal?

h =

14 = 6j - 4

What does **j** equal?

j =

Section 5

Solve the following calculation:

6 726 000 – 800 000 =

Section 6

Laura buys:

3kg of potatoes at 78p per kg;

2.5kg of carrots at £1.46 per kg.

She paid with a £20 note. How much change will she get?

Section 7

Liz has a jar of sweets. In one month, she ate $\frac{5}{8}$ of the sweets.

There are 12 left.

How many sweets were in the jar at the beginning?

Section 8

Two friends buy some chocolate bars.

Each bar costs £1.18.

There is a special offer on: buy one, get 2nd half price.

They buy 5 bars and split the cost equally. How much do they each pay?

Year 6 Maths homework Due in Monday 27th April

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**

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:

$\frac{8}{12}$ =

$\frac{15}{25}$ =

Section 5

Calculate:

0.4 x 100 =

0.9 x 100 =

0.7 x 100 =

Section 6

Convert the following:

0.2kg = g

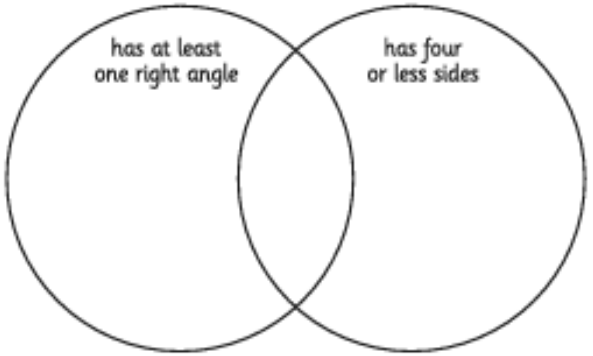
kg = 1490g

1.2kg = g

kg = 1350g

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:

Year 6 Maths homework Due in Monday 4th May

Year 6 Maths Activity Mat

③

Section 1

In the number 3 927 381, what is the value of the two 3 digits?

Section 2

A stationery store has 2543 pencils in stock. The shop orders a further 1 368 pencils, and then sells 928 pencils in a month. How many pencils does that shop have left?

Section 3

Calculate:

1 7 | 9 9 1 1

Section 4

Use <, =, or > to compare these fractions:

$\frac{7}{4}$		$\frac{3}{2}$
$\frac{7}{6}$		$\frac{4}{3}$
$\frac{13}{2}$		$\frac{39}{6}$

Section 5

Calculate:

0.02 x 7 =

0.06 x 5 =

0.08 x 6 =

Section 6

5 miles = 8 km

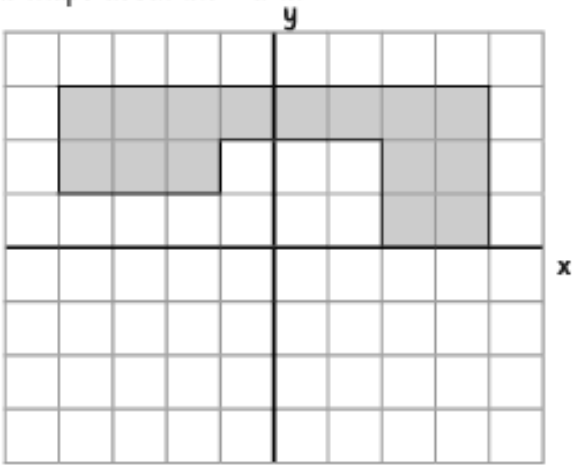
How many kilometres in 205 miles?

Section 7

Draw an isosceles triangle.

Section 8

Reflect this shape about the **x** axis.



Year 6 Maths homework Due in Monday 11thth May

Year 6 Maths Activity Mat

④

Section 1

Round the following numbers to the nearest 10 million:

12 341 727 → ☐

25 000 000 → ☐

50 500 000 → ☐

Section 2

Draw a Venn Diagram to show the common factors of 24 and 56.

Section 3

What number, when multiplied by 5, is one third of the sum of 64 and 56?

☐

Section 4

Calculate:

$\frac{3}{4} \times \frac{1}{6} =$ ☐

$\frac{2}{3} \times \frac{2}{3} =$ ☐

$\frac{3}{8} \times \frac{8}{15} =$ ☐

Section 5

Calculate, writing the answer as a decimal:

$4 \overline{)7\ 2\ 9}$

☐

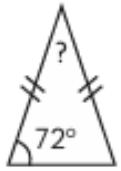
Section 6

Draw (not to scale) two rectangles with the same area and different perimeters, writing the length of the sides.

Section 7

Calculate the unknown angle in this triangle:

not to scale



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Section 8

Find 3 pairs of numbers that satisfy these equations:

$2a + b = 8$ $a =$ ☐ $b =$ ☐

$2c - d = 8$ $c =$ ☐ $d =$ ☐