

# YEAR 6 – Group B

Monday 1 June 2020

1) Write the missing digits to make this addition correct.

$$\boxed{1} \boxed{2} \boxed{8} + \boxed{7} \boxed{2} = 200$$

2) John buys one toy car and one pack of stickers.



£1.49



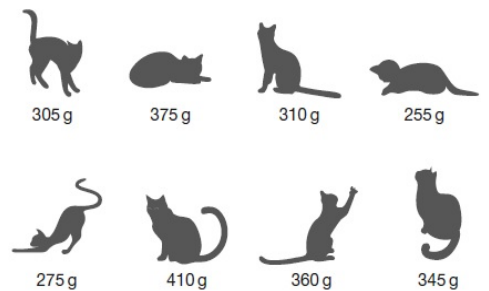
£1.64

He pays with a £10 note.

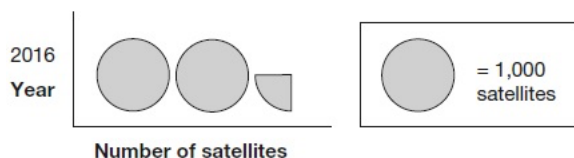
How much change does John get? **£6.87**

3) This picture shows the masses of eight kittens.

What is the difference in mass between the heaviest kitten and the lightest kitten? **155g**



4) This pictogram shows the number of satellites above the Earth in 2016.



How many satellites were above the Earth in 2016? **2,250**

5) Write these masses in order, starting with the lightest.

1.25 kg      0.99 kg      1.025 kg      0.009 kg  
0.009 kg    0.99kg    1.025kg    1.25kg

6) Explain why Kirsty is not correct.



When you double the size of an acute angle, you always get an obtuse angle.

*An acute angle less than  $45^\circ$  when doubled would still be under  $90^\circ$  so would still be acute*

7) Write the correct symbol ( $>$  =  $<$ ) to make the statements correct.

$$11 \times 12 \quad < \quad 15 \times 10$$

$$90 \div 30 \quad = \quad 60 \div 20$$

$$120 \div 4 \quad > \quad 160 \div 8$$

$$30 \times 8 \quad < \quad 100 \times 10$$

8) Dev says,

I had £10  
I gave some money away.



$a$  is the amount of money, in pounds, that Dev gave away.

Which expression shows how much money Dev has left?

$10 + a$

$10 \div a$

$a - 10$

$10 - a$

$a \times 10$

9) Jack has £400. He spends 35% of his money on a new bike.

How much does Jack spend on his new bike? **£140**

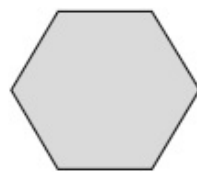
10) Here is a rule for the time it takes to cook a chicken.

Cooking time = 20 minutes plus an extra  
40 minutes for each kilogram

a) How many minutes will it take to cook a 3 kg chicken? **140 minutes**

b) What is the mass of a chicken that takes 100 minutes to cook? **2kg**

11) These two shapes have the same perimeter.



regular hexagon



square

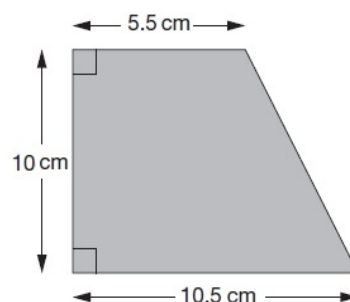
The length of each side of the hexagon is 8 centimetres.

Calculate the area of the square. **144cm<sup>2</sup>**

12) Here is a trapezium with a height of 10 centimetres.

The parallel sides are 5.5 cm long and 10.5 cm long.

Find the area of the trapezium. **80cm<sup>2</sup>**



Not  
actual  
size