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

$$\boxed{}\,2\,\boxed{} + \boxed{}\,2 = 200$$

2) John buys one toy car and one pack of stickers.
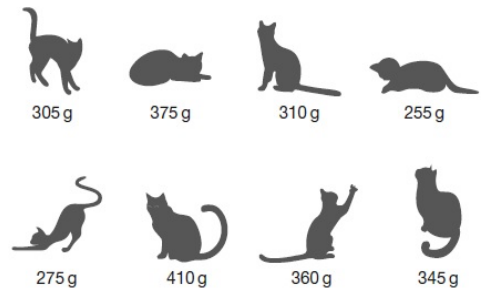
£1.49   £1.64
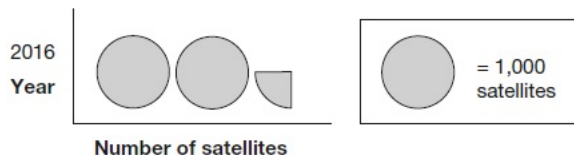
He pays with a £10 note.
How much change does John get?

3) This picture shows the masses of eight kittens.

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

305 g   375 g   310 g   255 g

275 g   410 g   360 g   345 g

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

2016
Year

Number of satellites

= 1,000 satellites

How many satellites were above the Earth in 2016?

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

$$1.25 \text{ kg} \qquad 0.99 \text{ kg} \qquad 1.025 \text{ kg} \qquad 0.009 \text{ kg}$$

6) Explain why Kirsty is not correct.

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

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

11×12	☐	15×10
$90 \div 30$	☐	$60 \div 20$
$120 \div 4$	☐	$160 \div 8$
30×8	☐	100×10

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?

$$10 + a \qquad 10 \div a \qquad a - 10 \qquad 10 - a \qquad a \times 10$$

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

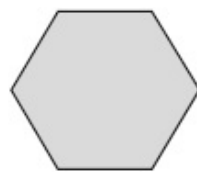How much does Jack spend on his new bike?

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

11) These two shapes have the same perimeter.

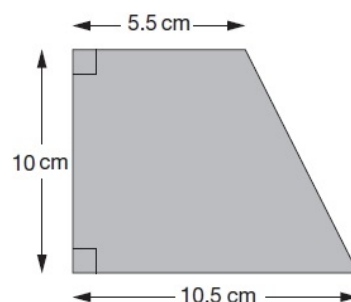regular hexagon   square

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

Calculate the area of the square.

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.

5.5 cm

Not actual size

10 cm

10.5 cm