This assessment is there for you to check what you have learned both at school and during the Help Your Kids: Maths live lessons. Try and answer the question by yourself at first and once you have had a go try and get some help from your parents or even by watching the Lockdown lesson for that topic.

1.

Here are five numbers.

$\cancel{2}$ 3   4   5   6

Write each number on the correct cards.

The number 2 has been written on the correct cards for you.

Prime numbers	Factors of 12	Factors of 15
2	2	

_____
2 marks

2.

Write the missing number to make this **division** correct.

$$0.3 \div \boxed{} = 0.03$$

_____
1 mark

3. a) Work out $\dfrac{1}{5}$ of 35

_____
1 mark

b) Work out $\dfrac{2}{3}$ of 36

_____
1 mark

4.

Kirsty says,

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

Explain why Kirsty is **not** correct.

1 mark

5. a) Work out 25.34 x 10

1 mark

b) Work out 7 + 3 x 4

1 mark

c) Work out 24 ÷ (13 – 7)

1 mark

6. Look at the two clocks below…

What is the difference between the two times? Give your answer in hours and minutes.

2 marks

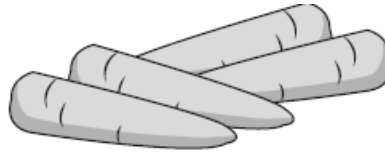**7.** a) Work out 264 + 387

b) Work out 264 – 183

2 marks

8.

potatoes
£1.50 per kg

carrots
£1.80 per kg

Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots.

How much **change** does he get from £5?

Show your method

£

2 marks

9.

$$x + 2y = 20$$

x and y are whole numbers **less than 10**

What could x and y be?

$x =$

$y =$

1 mark

10.

Tick the fractions **less than** $\dfrac{5}{8}$

$\dfrac{1}{2}$ $\dfrac{2}{8}$ $\dfrac{3}{4}$ $\dfrac{7}{16}$ $\dfrac{24}{32}$
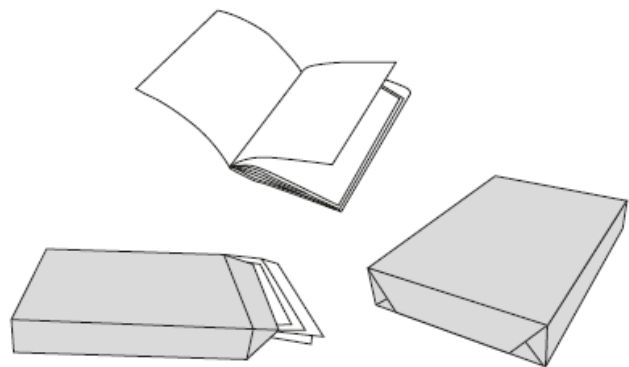
☐   ☐   ☐   ☐   ☐

2 marks

11.

Adam is making booklets.

Each booklet must have **34** sheets of paper.

He has **2** packets of paper.

There are **500** sheets of paper in each packet.

How many complete booklets can Adam make from **2** packets of paper?

Show your method

booklets

2 marks

12. a) Work out 34 x 6

b) Work out 479 ÷ 3

c) Work out 58 x 24

d) Work out 782 ÷ 17

(8 marks)

13.

Complete the table.

	Round 39,476
to the nearest 10,000	
to the nearest 1,000	
to the nearest 100	

2 marks

14.

Write the missing number.

$$6 + 2 \times 2 - \boxed{} = 6$$

1 mark

15.

A machine pours 250 millilitres of juice every 4 seconds.

How many **litres** of juice does the machine pour every **minute**?
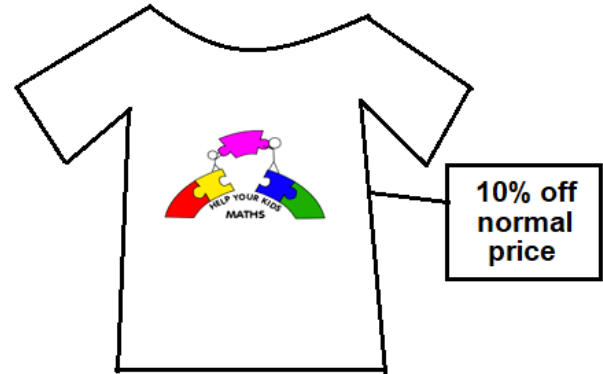
Show your method

litres

2 marks

16. a) Find 25% of £48

(1 mark)

b) Find 30% of £82
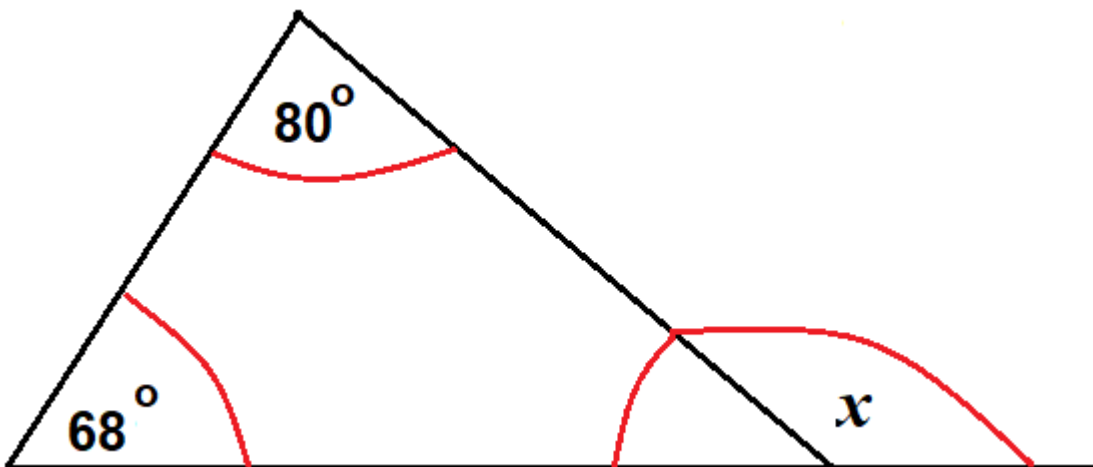
(2 marks)

c) A T-shirt normally costs £24.

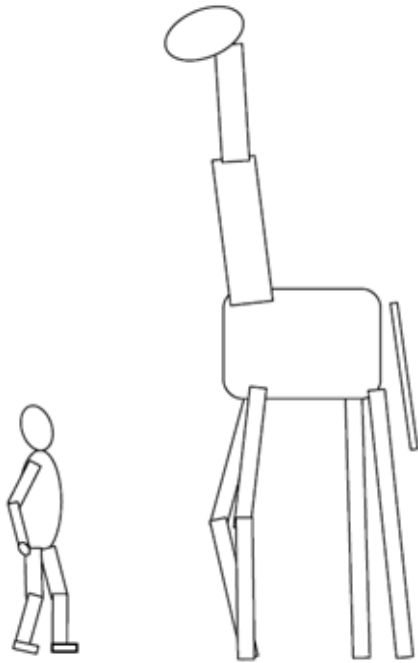It is in a sale saying 10% off.

How much does it cost in the sale?

10% off
normal
price

(2 marks)

17. Find the size of the angle marked x. The diagram is **NOT** drawn accurately.

2 marks

18.

The sketch shows a man next to a giraffe.

(a)   Write down an estimate for the height of the man in metres.

(1)

.... m

(b)   **1 foot = 30cm**

Estimate the height of the giraffe in feet.

(2)

.... m

19.

Tony sells packets of mints in the playground.

One day, he sells some mints at break, lunchtime and after school.
At lunchtime he sells 4 times as many packets as he sold at break.
After school he sells 2 more packets than he sold at break.

In total Tony sells 20 packets of mints.

How many packets did he sell at break?

(3 marks)