FFX 2 Maths Revision Material

Name: **Class:** **Date:**

A **Counting and understanding numbers:**

1. Find the missing numbers.

	3.4	2.8		1.6

1 mark (L4/1)

2. Which two **factors** of 24 add up to 15?

You **must** show your working

2 marks (L4/2)

3. **2,407 ÷ 100**.

1 mark (L4/3)

4. Match each fraction to the percentage of the same value.
One has been done for you.

$\frac{3}{5}$	20%
$\frac{1}{10}$	25%
$\frac{1}{5}$	60%
$\frac{1}{4}$	10%

1 mark (L4/4)

5. Write the improper fraction $\frac{9}{4}$ as a mixed number.

$\frac{9}{4}$ =

1 mark (L4/5)

6.

Sapna and Robbie have some biscuits.

Altogether they have **19** biscuits.

Sapna has **3 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

Sapna ☐ **Robbie** ☐

1 mark (L4/6)

B **<u>Calculating:</u>**

7. Write in the missing number.

15 x 3 = ☐ + 19

1 mark (L4/7)

8. Calculate **(56 ÷ 7) + (9 x 4)**

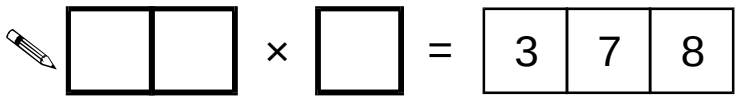
1 mark (L4/8)

9. Draw **all** the missing lines.

7 x 5	7
8 x 7	54
Six times nine	35
72 ÷ 9	56
42 ÷ 6	8

1 mark (L4/9)

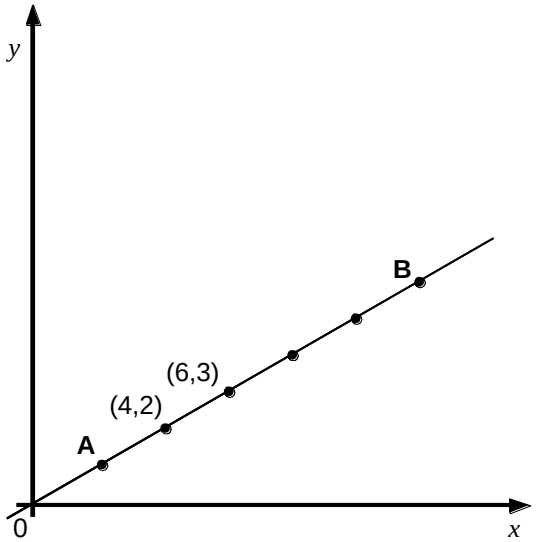
10. Write what the **three** missing digits could be in this calculation.



1 mark (L4/10)

11. Here is a graph.

The dots (●) on the line are **equally spaced.**



a) What are the **coordinates** of the point **A**?

(,)

b) What are the **coordinates** of the point **B**?

(,)

2 marks (L4/11)

12. Calculate **362 x 3**

You **must** show your working

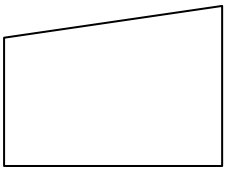
2 marks (L4/12)

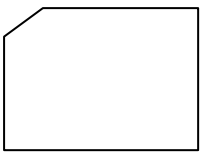
13. Calculate 31.4 x 3

1 mark (L4/13)

C Shape, Space and Measure:

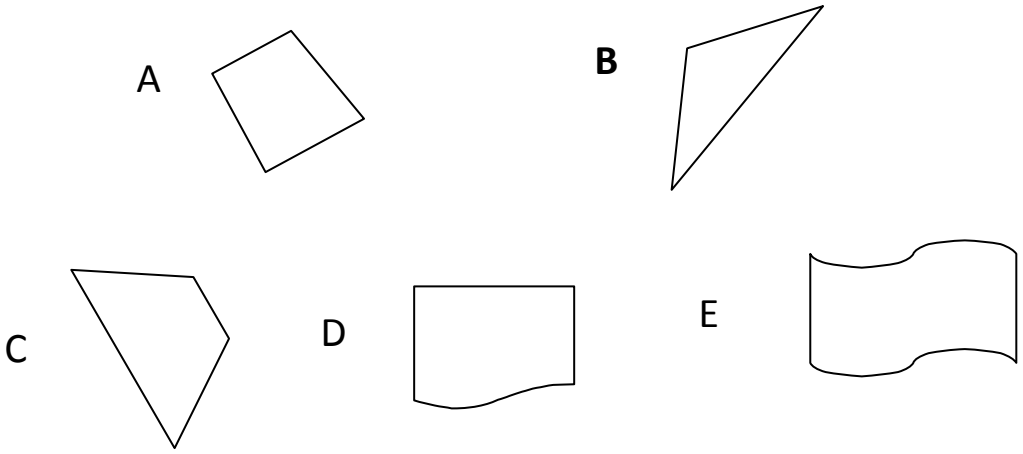
14. Write the names of these shapes.





2 marks (L4/14)

15. Here are five shapes



.

Write the letters of the **two** shapes which have a line of symmetry.

..... and .....

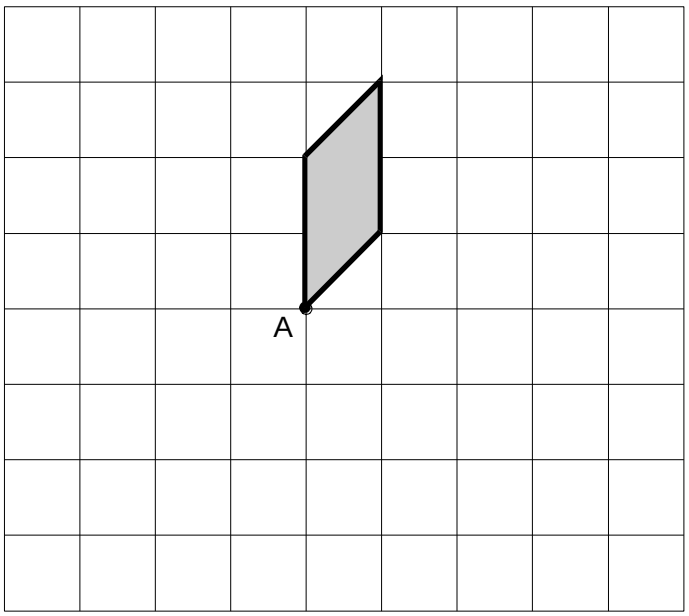
1 mark (L4/15)

16. Here is a shaded shape on a grid.

The shape is **rotated 90° clockwise** about point **A**.

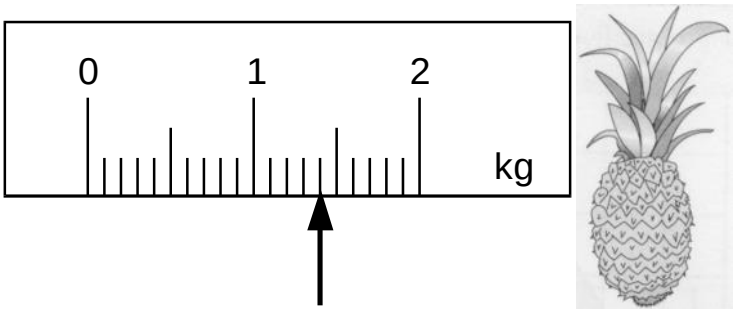
Draw the shape in its **new position** on the grid.

You may use tracing paper.

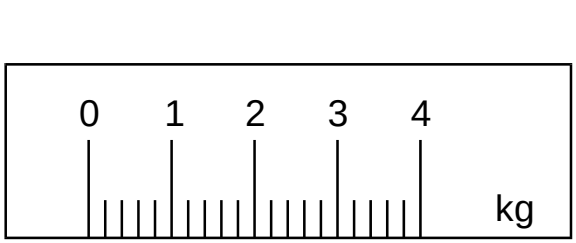


1 mark (L4/16)

17. On this scale, the arrow (↑) shows the weight of this pineapple.



Here is a **different** scale.
Mark with an arrow (↑) the weight of the **same** pineapple.

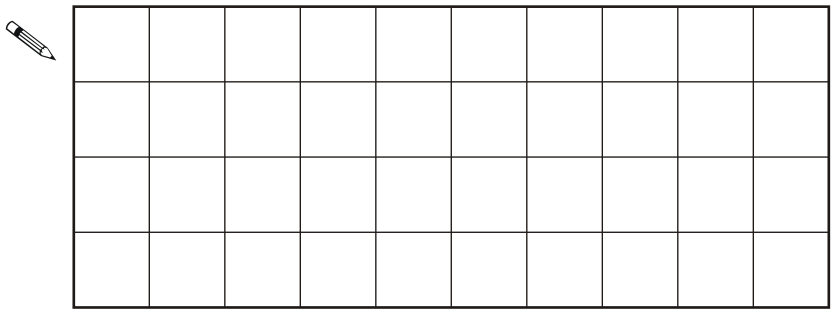


mm

1 mark (L4/17)

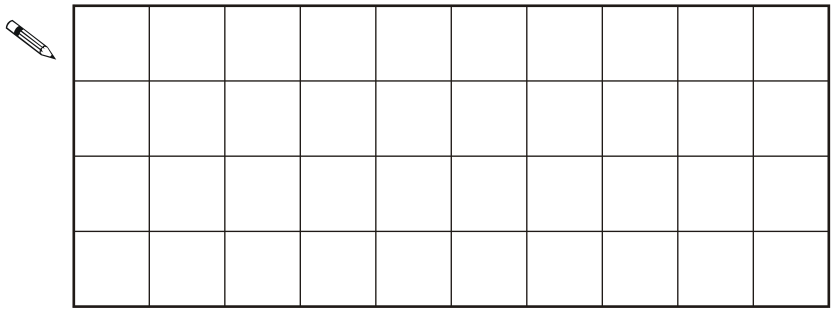
18. Here is a centimetre square grid.

On the grid draw a **shape** which has an **area** of **10** square centimetres.



1 mark (L4/18)

On the grid below draw a **rectangle** which has a **perimeter** of **10** centimetres.



1 mark (L4/18)

D **Data Handling**

19. The National Curriculum levels reached by a Key Stage 3 maths class were:

~~6~~ ~~5~~ ~~6~~ ~~4~~ ~~5~~ ~~6~~ ~~4~~ ~~5~~ ~~4~~ ~~4~~ ~~5~~ ~~6~~ ~~6~~ ~~4~~

6 4 5 5 4 5 6 4 3 6 6 6 5 5

Complete the frequency table – **the crossed off ones have already been entered**

Level	Tally	frequency
3		
4	~~IIII~~	
5	IIII	
6	~~IIII~~	

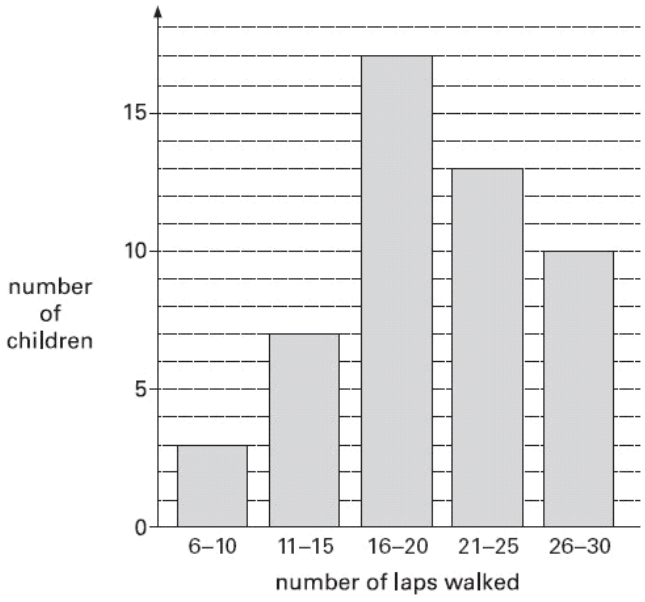
1 mark (L4/19)

20. Here is a Carroll diagram for sorting numbers. Write a number **between 20 and 40** in each space.

	even	**not** even
a square number		
not a square number		

1 mark (L4/20)

21. Some children do a sponsored walk.
The graph shows their results.



How many children walked **21 laps or more**?

2 marks (L4/21)

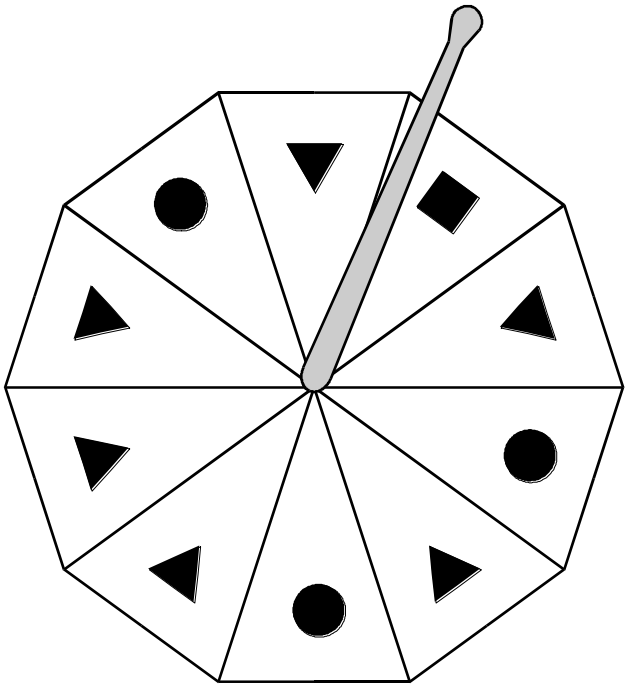
22. What is the mode and range in this set of numbers?

6 , 6 , 4 , 5 , 8 , 6 , 7 , 9

mode ☐ range ☐

2 marks (L4/22)

23.



How likely are you to spin these shapes on your first spin?

Draw lines.

certain

most likely

least likely

impossible

1 mark (L4/23)