

END OF PRIMARY BENCHMARK

**MATHEMATICS
WRITTEN PAPER**

80 Marks

1 hour 15 minutes

MATHEMATICS
WRITTEN PAPER

1. Work out:

a) $144 + 56 =$ <div style="border: 1px solid black; width: 150px; height: 30px; margin-left: auto; margin-right: auto; text-align: center;">_____</div>	b) $1638 - 438 =$ <div style="border: 1px solid black; width: 150px; height: 30px; margin-left: auto; margin-right: auto; text-align: center;">_____</div>
c) $100 \times \underline{\quad} = 7800$ <div style="border: 1px solid black; width: 150px; height: 30px; margin-left: auto; margin-right: auto; text-align: center;">_____</div>	d) $636 \div 6 =$ <div style="border: 1px solid black; width: 150px; height: 30px; margin-left: auto; margin-right: auto; text-align: center;">_____</div>

2. a) Use a **ruler** to **measure** this line to the **nearest cm**.



The line is _____ cm long.

b) **Circle the most suitable measurement.**

i) The **weight** of a 10 year old boy.

25 kg 60 g 500 g

ii) The **height** of a tree.

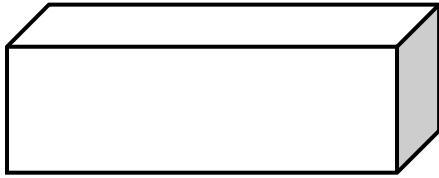
2 mm 15 cm 3 m

c) **Round** 31,710 kg to the **nearest 1000kg**.

3. Put a **tick** (\checkmark) near the **correct** statements.

Choose **two** correct statements for **each** shape.

a)



Cuboid

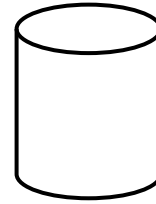
The cuboid is a flat shape.

The cuboid has 6 faces.

The cuboid has 12 edges.

All the edges are equal.

b)



Cylinder

The cylinder is a flat shape.

The cylinder has 4 faces.

It has 2 circular edges.

This shape has no vertices.

4.

$4\frac{1}{4}$ km

41.9km

42.5km

0.09km

Choose **one card** for **each** of the following statements:

a) The **longest** distance.

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b) The distance which is **shorter than 1km**.

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c) The distance which is **equal to 4250m**.

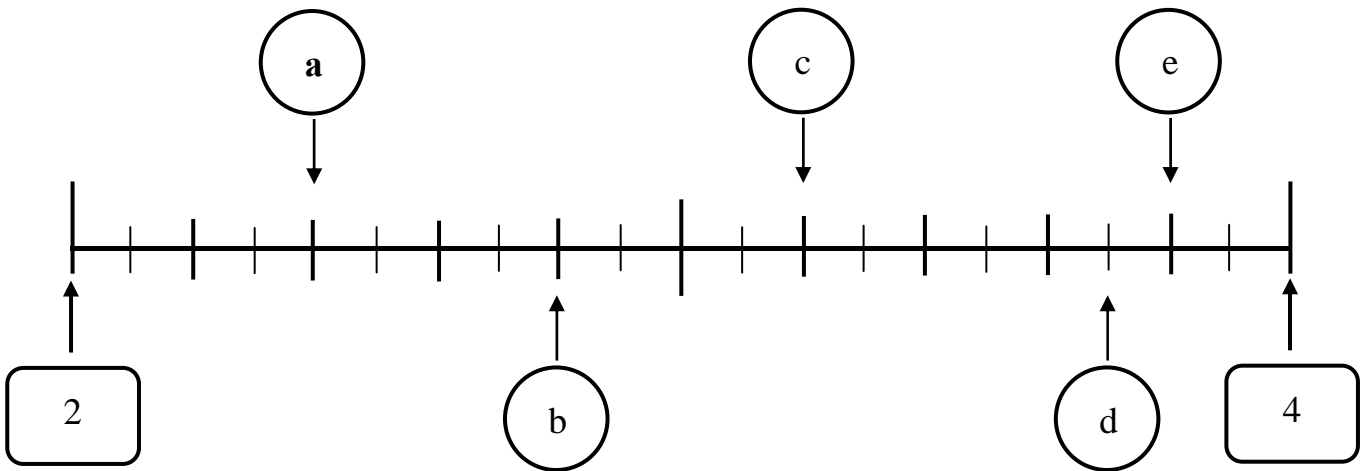
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d) The distance which is **closest to 42km**.

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5. a) Write down the **number** shown by **each arrow** on the number line below.

(Hint: The first one is done for you).



$a = \underline{2.4}$

$b = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

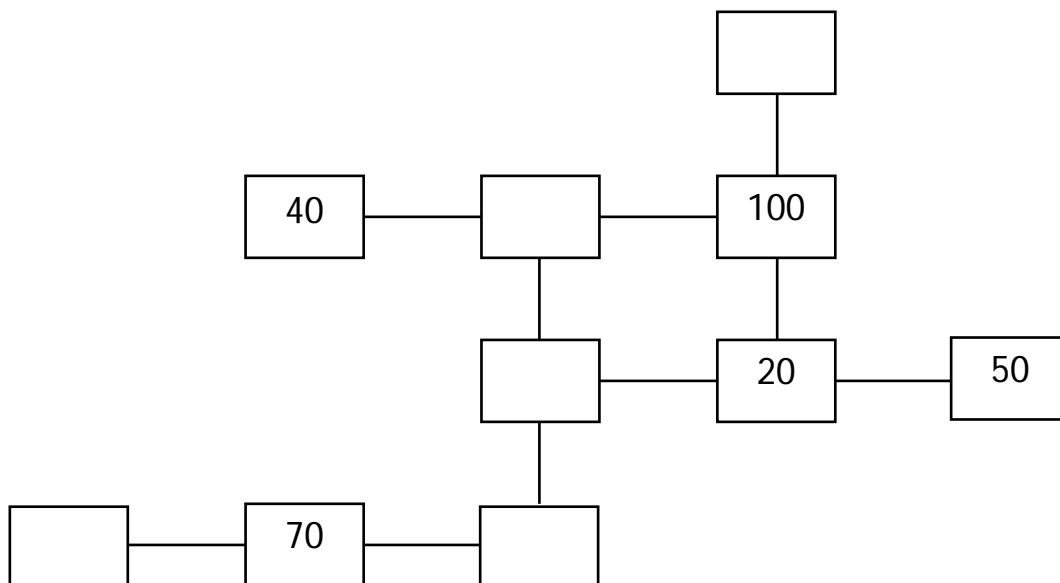
$d = \underline{\hspace{2cm}}$

$e = \underline{\hspace{2cm}}$

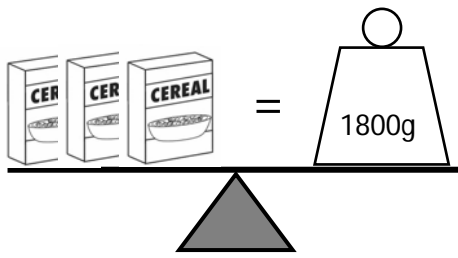
b) **Mark 3.4** with an arrow on the same number line.

6. The **three numbers in each row or column add up to 150.**

Fill in the missing numbers.



7. Each cereal box is of the **same** weight.



a) What is the weight of **each** cereal box?

 g

b) Spotty the puppy weighed $\frac{3}{4}$ kg when it was born.

i) Express $\frac{3}{4}$ kg in **grams**.

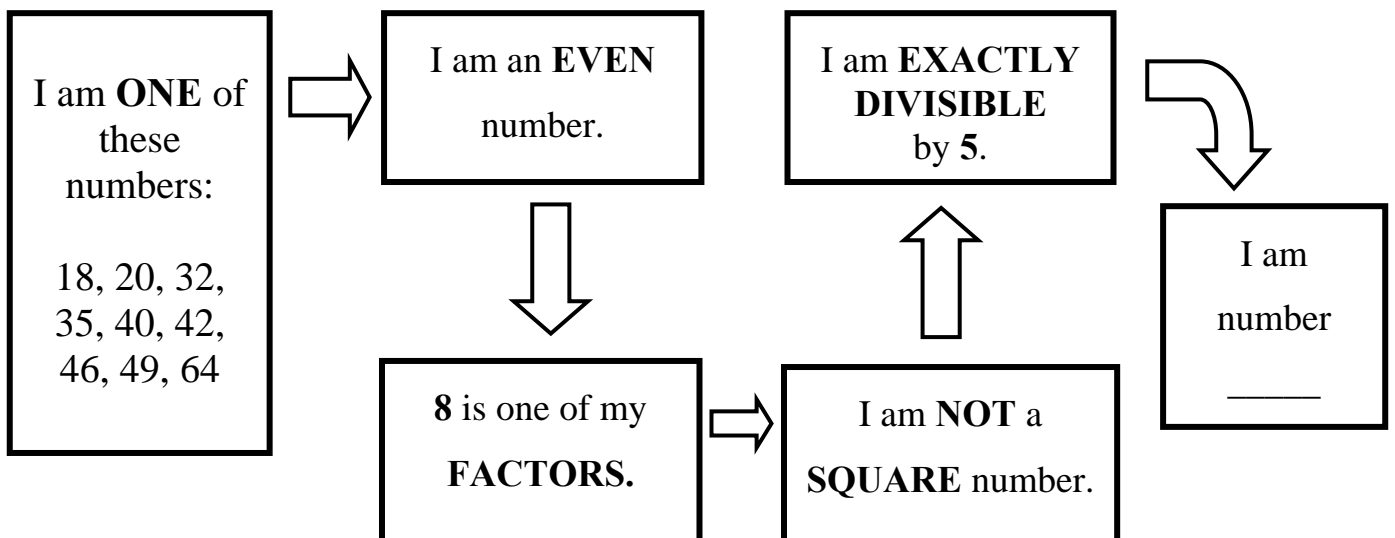
 g

ii) Spotty **gained 350g** of weight **each** month.

Work out Spotty's weight after **5 months**.

 g

8. What number am I?



9. Look at these **calculations**.

$$8 \times 6$$

$$24 \div 8$$

double 24

half of 24

$$24 + 8$$

Choose from the above the correct calculation to solve each problem.

a) Tom has 8 stickers. Sara has 24 stickers **more** than Tom.

How many **stickers** does **Sara have**?

b) Jim puts 24 stamps in an album. **8 stamps** fit on **each** page.

How many **pages** does **he use**?

c) Mum **divides equally** 24 toffees in two jars.

How many toffees does she put in **one** jar?

d) Which **two** calculations **give 48**?

$$\boxed{} = 48$$

$$\boxed{} = 48$$

10. In a theatre, **25 people** can sit in **one row**.

a) The theatre has **825 booked tickets**.

How many **rows** are **booked**?

_____ rows

b) **Estimate, to the nearest thousand**, how many **people** can sit in **39 rows**.

_____ people

11. This is **an incomplete** calendar for the month of **February 2011**.

a) **Complete** the calendar for the month of February.

b) Nick goes to the football nursery every **Saturday**.

In February he went _____ times.

February 2011						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26

c) Joan's birthday was on the **last Friday** of the month.

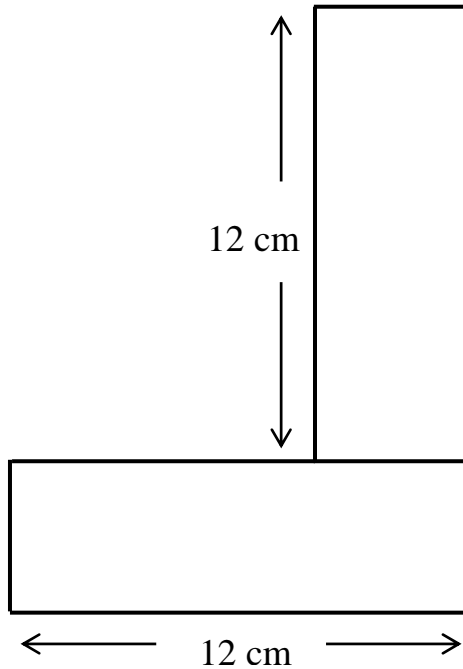
Nick's birthday was **8 days before** Joan's.

Nick's birthday was on the _____ of February.

12. a) Peter has two rectangles each measuring 12 cm by 3 cm.

i) **Complete.**

The **area** of one rectangle is _____ cm².

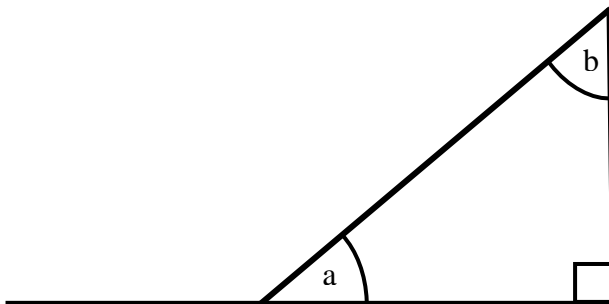


ii) He uses the two rectangles to make this shape.

Work out the perimeter of Peter's shape.

_____ cm

b) This is a triangle drawn on a straight line.



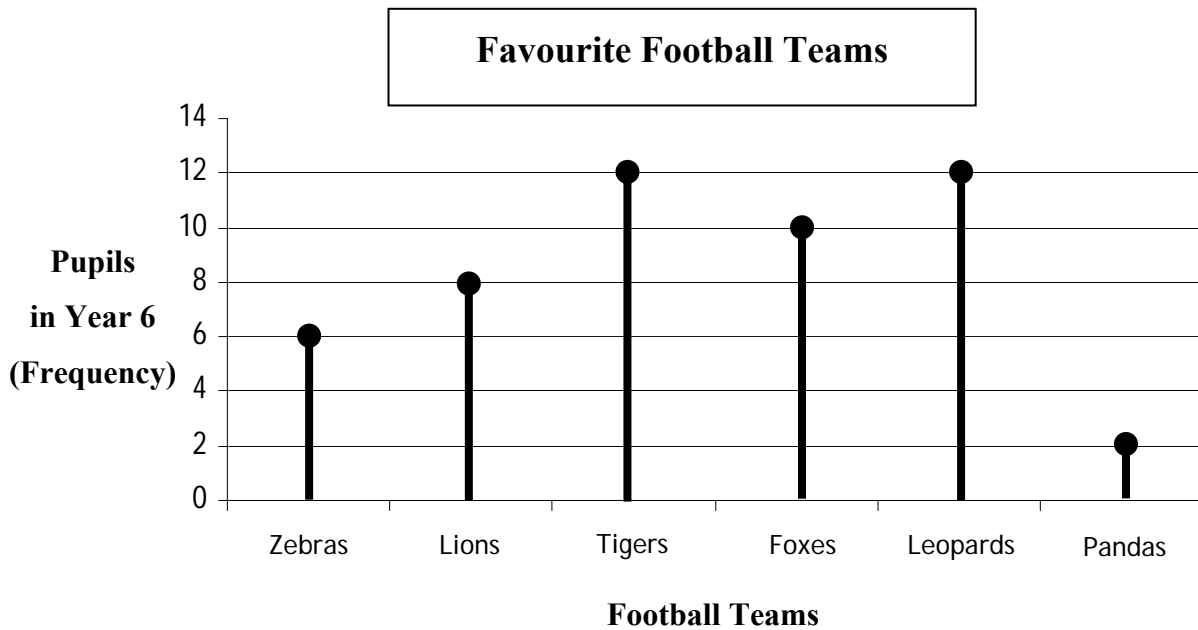
i) Use a **protractor to measure** the size of **angle a**.

Angle a = _____ °

ii) **Work out** the size of **angle b**.

Angle b = _____ °

13. The graph shows the favourite football teams among pupils in Year 6.



a) How many **pupils** side with **Zebras**?

_____ pupils

b) How many **more pupils** prefer **Leopards** to **Lions**?

_____ pupils

c) How many **pupils** are there **altogether** in Year 6?

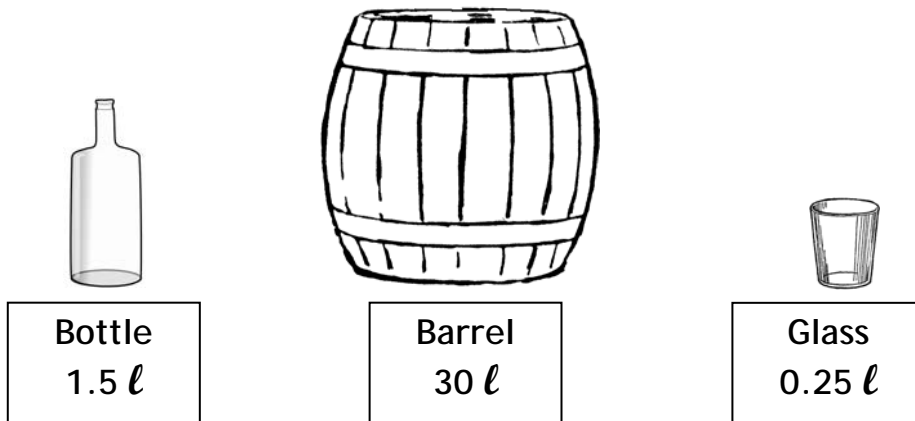
_____ pupils

d) **10%** of **all the pupils** also like volleyball.

How many **pupils** like **volleyball**?

_____ pupils

14. These pictures show the **capacity** of three different containers.



a) Express the capacity of the **glass** as a **fraction of one litre**, in its simplest form.

b) Express the capacity of the **bottle** in **millilitres (ml)**.

 ml

c) Helen says that **2 bottles** are needed to **empty** the **barrel**.

Paul says that **20 bottles** are needed to **empty** the **barrel**.

i) Who is **right**, Helen or Paul?

ii) Give a **reason** for your answer.

15. Look at this timetable of flights and answer the questions below.

		Place	Time
Flight 1	Departure	Rome	11:00
	Arrival	Malta	12:25
Flight 2	Departure	Malta	12:45
	Arrival	Vienna	15:25
Flight 3	Departure	Vienna	
	Arrival	Milan	08:15

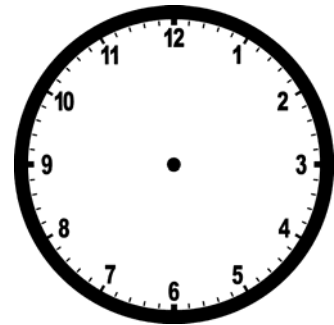


a) How **long** will it take to travel from **Rome to Malta**?

<p>_____ h _____ min</p>

b) **Flight 2**, from Malta to Vienna, lands at Vienna airport at **15:25**.

i) **Mark** this time on the clock.



ii) **Write 15:25** in a different way.

<p>_____ p.m.</p>

c) The flight from **Vienna airport to Milan** is **1 hour 25 minutes** long.

At what **time** does the plane **leave Vienna airport to Milan**?

<p>_____ : _____</p>

16. Joseph needs to buy a new mobile phone and wants to find the **cheaper** deal between Scheme A and Scheme B.



Scheme A charges **5c** for **every** text message.

Scheme B charges **10c** for each text message for the **first 100 messages**.
After that, **each** text message is charged 2c.

a) Joseph wants to send only **100 text messages** a month.

Which scheme is **cheaper**, Scheme A or Scheme B?

b) Which **scheme** is **cheaper** for sending **300 messages** per month?

c) Joseph says that he gets **more** text messages for **€20** by using Scheme B.

i) Is he correct?

ii) **Explain** your answer.

END OF PAPER

Marking Scheme

Mental Paper	Nos.	1 - 20	20×1 mark	=	20 marks
Written Paper	Nos.	1 - 4	4×4 marks	=	16 marks
		5 - 12	8×5 marks	=	40 marks
		13 - 16	4×6 marks	=	24 marks
TOTAL					100 marks