

# WORDED QUESTIONS 1

CONTENT DOMAIN REFERENCES:  
C4, C8

# KS2 SATS

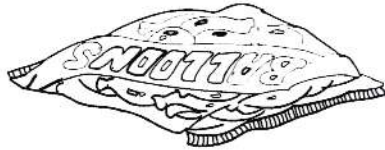
## PRACTICE QUESTIONS BY TOPIC

1

There are **5 balloons** in a **packet**.

[2003]

There are **18 packets** in a **box**.



How many balloons are there altogether in a **box**?

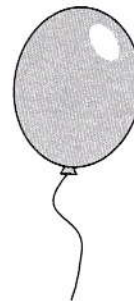
$$\begin{array}{r} 18 \\ \times 5 \\ \hline 90 \end{array}$$



90

There are **5 balloons** in a **packet**.

Kofi needs **65 balloons**.



How many **packets** does he need?

$$\begin{array}{r} 13 \\ 5 \overline{) 65} \end{array}$$



13

[2 marks]

**2**

A pack of paper has 150 sheets.

[2016S]

4 children each take 7 sheets.

How many sheets of paper are left in the packet?

Show your method

$$4 \times 7 = 28$$

$$\begin{array}{r} 150 \\ - 28 \\ \hline 122 \end{array}$$

122

[1 mark]

**3**

Plants are sold in trays of 20

[2001]



Ivana buys 7 trays of plants.

How many plants is this?

$$\begin{array}{r} 20 \\ \times 7 \\ \hline 140 \end{array}$$



140

David wants 240 plants.

How many trays does he need to buy?

$$\begin{aligned} 240 &\div 20 \\ &= 24 \div 2 \\ &= \underline{\underline{12}} \end{aligned}$$



12

[2 marks]

4

[2000]

A shop sells postcards in **packs of 6** and **packs of 8**.



Alan bought **4 packs of 8 cards**.

How many cards did he get?

$$4 \times 8$$


 32

Shereen bought some **packs of 6 cards**.

Altogether she has **30 cards**.

How many **packs of 6** did she buy?

$$30 \div 6$$

 5

[2 marks]

5

[2017]

At the start of June, there were 1,793 toy cars in the shop.

During June,

- 8,728 more toy cars were delivered
- 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June?

Show your method

1793	10521	10521	10521
+ 8728	- 9473	- 9473	- 9473
10521	1048	1048	1048
1 1 1			

1048

[2 marks]



6

Jamie, Kate and Hassan run a 50m race.

[2007]

Kate's time is 13 seconds.

Jamie finishes 5 seconds before Kate.

[8 SECONDS]

Hassan finishes 3 seconds after Jamie.

[11 SECONDS]



What is **Hassan's time** in seconds?



11 seconds

[1 mark]

7

Plastic cups are sold in packs of 8

[2009]

Amir needs 27 cups.



How many packs must he buy?

$8 \overline{) 27} \quad 3 \text{ R } 3 \text{ (4!)}$

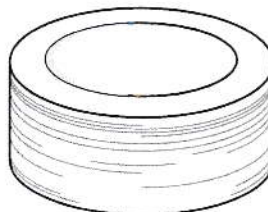


4 packs

There are 30 paper plates in a pack.

Amir buys 2 packs.

He uses 37 plates.



How many plates are left?

$2 \times 30 = 60$

$$\begin{array}{r} 60 \\ - 37 \\ \hline 23 \end{array}$$



23 plates

[2 marks]

8

Four children are in a race.

[2013]

1ST

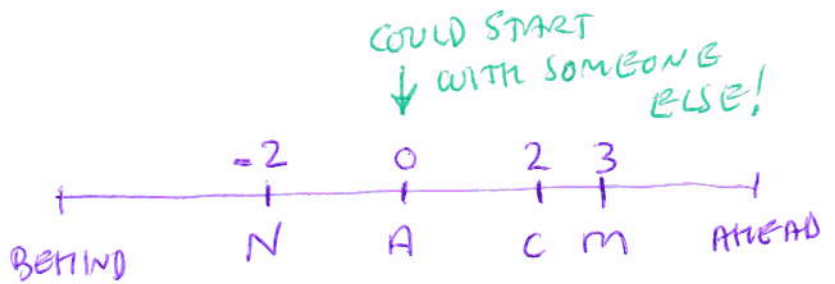
Chen is 2 metres ahead of Alfie.

3RD

Nina is 5 metres behind Megan.

2ND

Alfie is 3 metres behind Megan.



Write the names of the runners in order, starting with the child who is furthest ahead.

MEGAN

CHEN

ALFIE

NINA

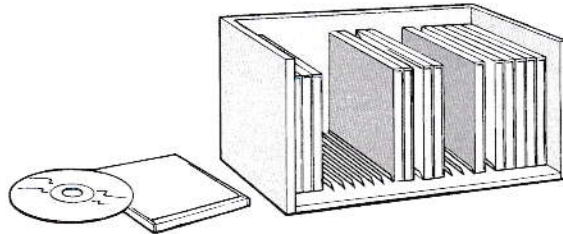
furthest  
ahead

[1 mark]

9

Here is a CD rack.

[2006]

One rack holds **25** CDs.David has **83** CDs.

How many racks does he need to hold **all** his CDs?

$$25 \overline{)83} \quad 3 \text{ R } 8$$



4

Lin has **6** racks **full** of CDs.

How many CDs does Lin have altogether?

$$\begin{array}{r} 25 \\ \times 6 \\ \hline 150 \end{array}$$



150

[2 marks]

Lin needs to solve this problem.

[2006]

***'How many children  
are in the class?'***



Tick (✓) **all** the information that Lin needs to solve her problem.



There are 9 girls in the class.



5 girls in the class wear glasses.



There are twice as many boys as girls in the class.

David needs to solve this problem.

***'How much do two oranges and  
one apple cost?'***



Tick (✓) **all** the information that David needs to solve his problem.



An orange costs 5p more than an apple.

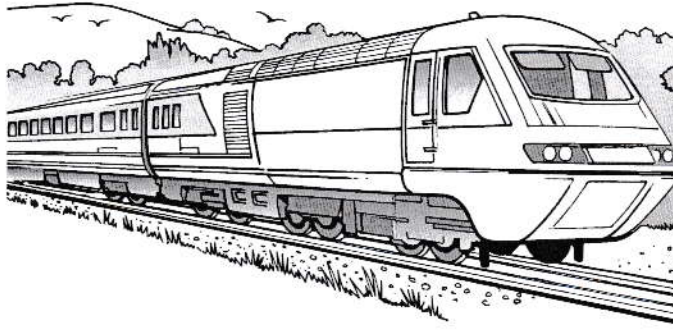


An apple costs 20p

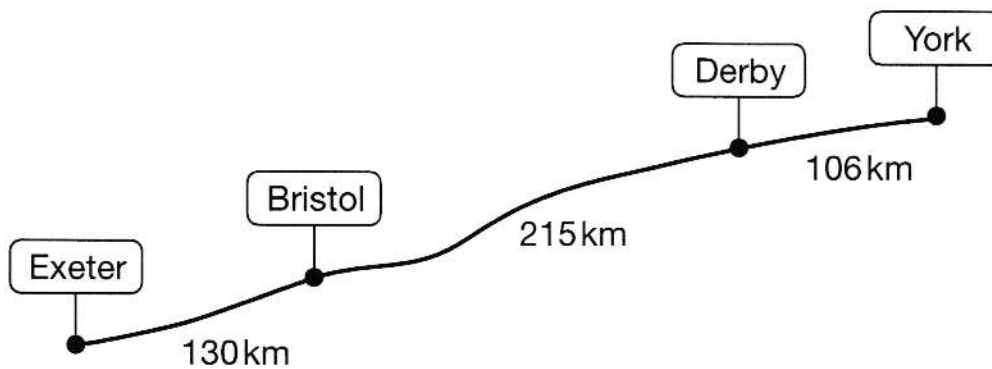


David has £1

[2 marks]



The diagram shows distances on a train journey from Exeter to York.



How many kilometres is it altogether from **Exeter** to **York**?

$$\begin{array}{r}
 130 \\
 215 \\
 +106 \\
 \hline
 451 \\
 \hline
 \end{array}$$



451 km

What is the distance from **Derby** to **York** rounded to the nearest 10km?



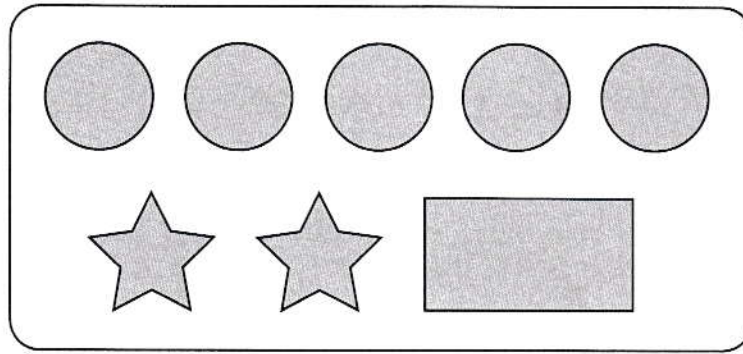
110 km

[2 marks]



On a sheet of stickers there are 5 circles, 2 stars and one rectangle.

[2008]



8 STICKERS  
ON EACH  
SHEET

How many stickers are there altogether on 4 sheets?

$$8 \times 4$$



32

Nisha needs 55 circles.

How many sheets of stickers does she need?

$$8 \overline{) 55} \begin{array}{r} 06 \\ \underline{48} \\ 7 \end{array}$$



7

Ben has 10 sheets of stickers.

How many **more** circles than rectangles does he have?

4 MORE ON EACH SHEET

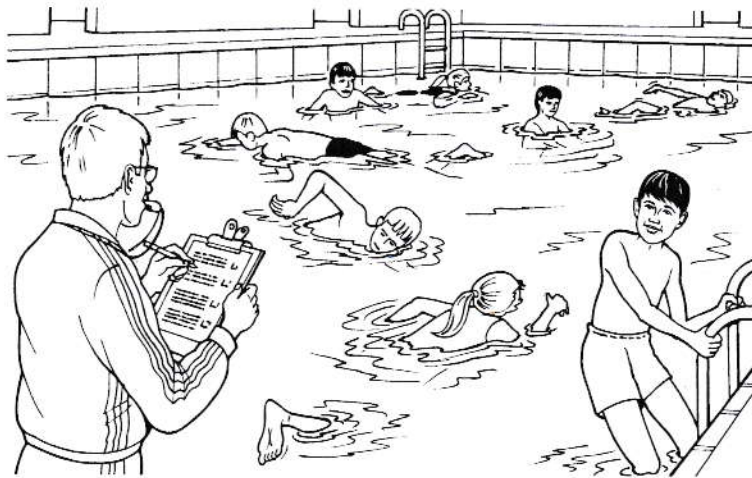


40

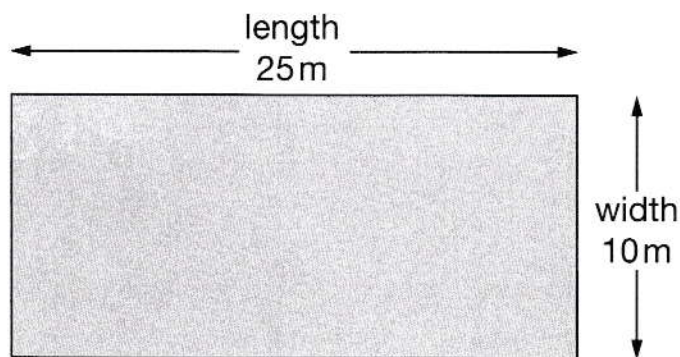
$$\Rightarrow 4 \times 10 = \underline{\underline{40}}$$

[3 marks]





A rectangular swimming pool is 25 metres long and 10 metres wide.



David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

Show your method

$$\begin{array}{r} 25 \\ \times 5 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 12 \\ \times 10 \\ \hline 120 \end{array}$$

$$125 - 120 = 5$$

5 m

Seb saved up for a new skateboard that cost £40

[2014]



The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

5 | 9 | 11 | 15 | 18 | 22

↑  
PASSES HALFWAY!

In which week did Seb reach **half** the amount he needed for the skateboard?

£20



Week 6

If Seb had saved an extra £1 each week, in which week would he have reached his target of £40?

Week 8

1	2	3	4	5	6	7	8
6	5	3	5	4	5	7	5
6	11	14	19	23	28	35	40

↑  
£40!

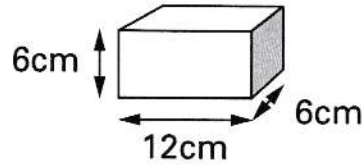
[2 marks]

15

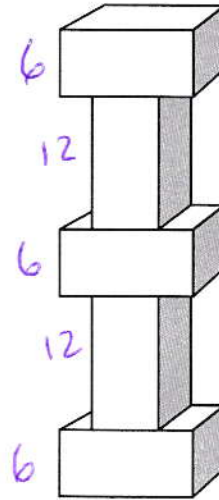
[2003]

Martin has some bricks.

They are 12cm long, 6cm high and 6cm deep.



He builds this tower with **five** bricks.



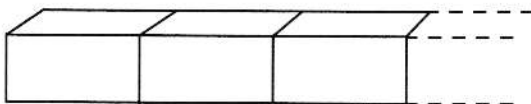
How tall is the tower?

$$6 + 6 + 6 + 12 + 12$$



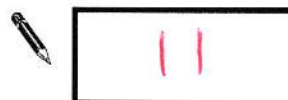
Each brick is 12cm long.

Martin makes a line of bricks **132cm long**.



How many bricks does he use?

$$12 \overline{) 132} \begin{array}{r} 11 \\ \underline{12} \\ 12 \\ \underline{12} \\ 0 \end{array}$$



[2 marks]

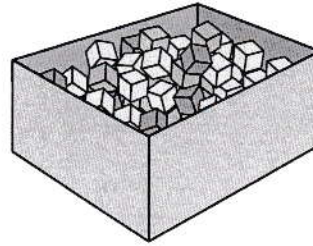
16

[2014]

Seb has a box of **120** cubes.

He uses some of the cubes to build a tower.

**77** cubes are left over.



How many cubes has he used?

$$\begin{array}{r} 120 \\ - 77 \\ \hline 43 \end{array}$$



Seb has 77 cubes left over.

He builds two more towers.

One tower uses 18 cubes and the other uses 35 cubes.

How many of his **77** cubes has he got left now?

Show your method

$$\begin{array}{r} 18 \\ + 35 \\ \hline 53 \end{array} \quad \begin{array}{r} 77 \\ - 53 \\ \hline 24 \end{array}$$

24

[3 marks]