National Numeracy Tests

READING

8ER18

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ 2018

Total score ○ (maximum 20)

165123

Llywodraeth Cymru
Welsh Government

1

What will our profit be if 150 people play?

Complete the missing information:

If 150 people play

Income:

50p per go, **total** = £ 1m

Expenditure (money for prizes, the board and lollies):

Colour of stick	Number of sticks	Prize per stick	Total amount
Red	1	£2.50	£
Blue	9	£1.00	£
Yellow	20	25p	£
White	120	0p	£ 0.00
Cost of the board and lollies			£ 26.00
Total =			£

2m

Profit = £ 1m

What will our profit be if 120 people play?

If 120 people play, why can't Year 8 be sure how much they will give out for prizes?

1m

If 120 people play, work out their **maximum** and **minimum** possible profit.

Maximum

Maximum possible profit

£

Minimum

Minimum possible profit

£

1m

2m

TOTAL

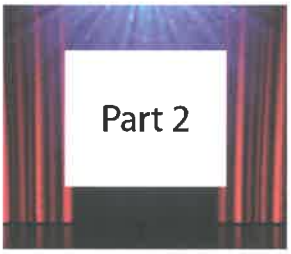
8m

2 Pupils in Year 8 plan their school show.

There will be **two parts** with an interval in between.

Part 1 must **start** at 1:30pm

Interval must be 25 minutes



Part 2 must **end** at 3:15pm

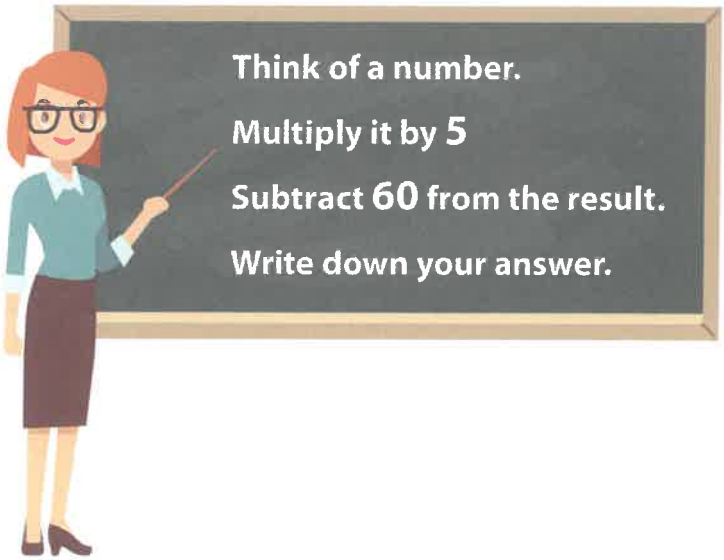
The parts must last for the **same** amount of time.

At what time must the **interval start**?

The interval must start at : pm

3m

3 A teacher says:



Siwan's answer is 40

What number did Siwan start with?

1m

Gareth's answer is the **same** as the number he started with.

What number did Gareth start with?

2m

TOTAL

6m

4

Live concerts at the biggest stadium in Wales

Imagine every person living in Wales aged between 5 and 64 wants to go to one of these concerts.

Use the facts below. How many concerts would there need to be?

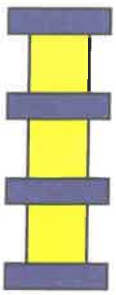
Facts:

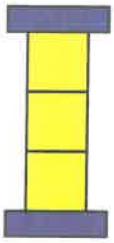
- 74 500 visitors can fit in the stadium at one time.
- About 3 100 000 people live in Wales. Of these, 180 000 are aged below 5 and 625 000 are aged 65 or over.

concerts

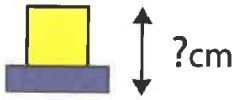
3m

5 Rashid makes towers using identical blue blocks and identical yellow blocks.





Not drawn accurately



Work out the missing height.

? = cm

3m

TOTAL

6m

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