

PROCEDURAL

8EP17

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ 2017

Total score (maximum 36)



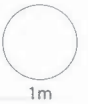
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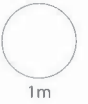
Llywodraeth Cymru
Welsh Government

1 Work out the number of quarters in $1\frac{1}{2}$

quarters



2 $150 - 3 \times 10 =$



3

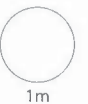
| | |
|-------------------|------------------|
| Play table tennis | |
| Adults | £3.95 per person |
| Children | £1.90 per person |



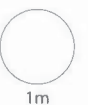
1 adult and 3 children want to play table tennis.

To the **nearest £**, how much does it cost?

£



4 Divide 2.4 by 4

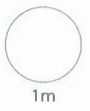
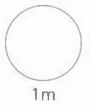
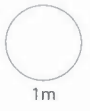


5

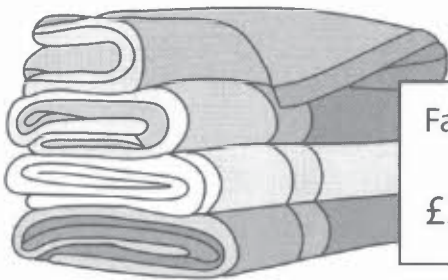
$$3 - 2.85 =$$

$$\sqrt{36} =$$

$$11 \times 0.9 - 9 \times 0.9 =$$



6

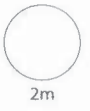


Fabric
£3.70 per metre

Work out the exact cost of 4.5 metres of this fabric.



£



TOTAL



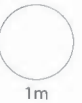
7 Write the number that is halfway between 0.7 and 0.8



8 These girls are 4, 7 and 13 years old.



Work out their **mean** age.



9 Write the numbers in order, smallest first.

$\frac{1}{5}$

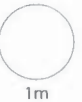
0.45

0.5

5%

smallest

largest



10 Convert 10 metres to centimetres.

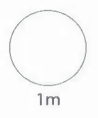


11 Train in India:

- leaves Mumbai 23:15
- arrives Indore 11:20 the next day.

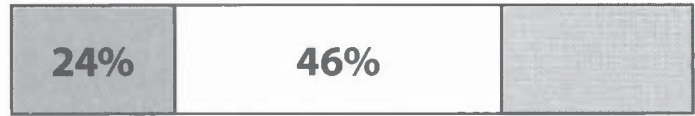
How long is the journey?

| | |
|-------|---------|
| hours | minutes |
|-------|---------|



12 A school did two surveys to find out what pupils think about science.

Results at the beginning of Year 8 (100 pupils)



Key

- dislike
- quite like
- like a lot

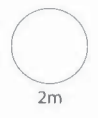
Results at the end of Year 8 (100 pupils)



The number of pupils who **like science a lot** has increased.

By how many pupils has it increased?

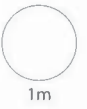
pupils



TOTAL

13

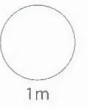
The cube root of 125 =



14

Add together $\frac{2}{8}$ and $\frac{4}{16}$

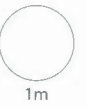
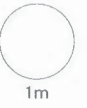
Write your answer in its simplest form.



15

20% of 125 =

$12\frac{1}{2}\%$ of 80 =

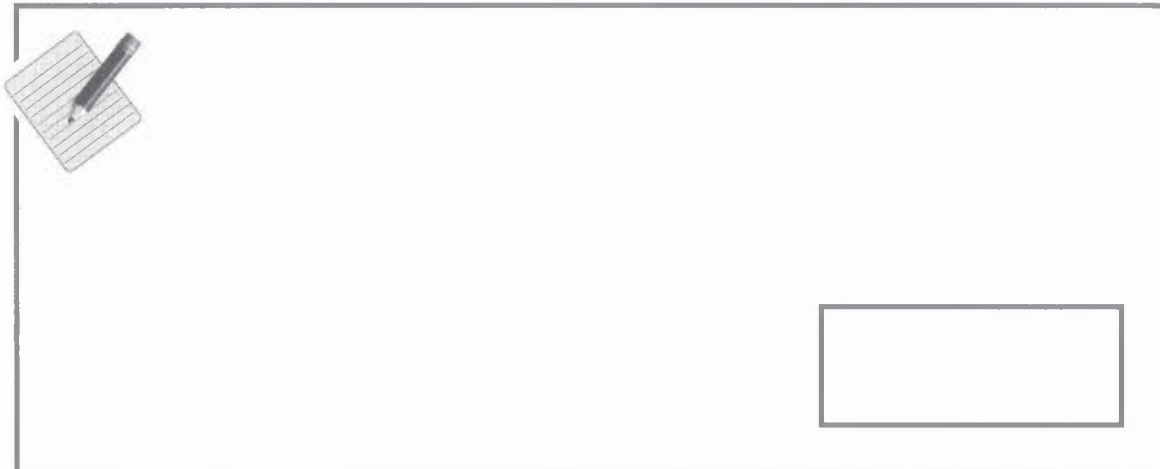


16

How many square centimetres are there in **one square metre**?

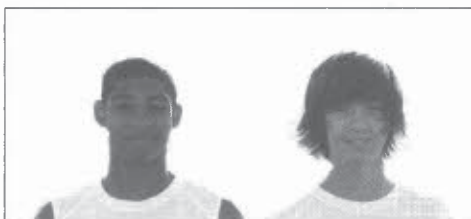


17 Multiply 3.4 by 2.3



18 Year 8 voted for their class representative.

They could choose Pavel or Sam.



The votes for Pavel and Sam were in the ratio 3 : 2

What percentage of the votes did Pavel get?

 %

19 Round 6.819 to one significant figure.



TOTAL



20 Work out $6^2 + 7 - (7^2 - 6)$



2m



21 Write the fraction in its simplest form.

$$\frac{64}{80} =$$

1m

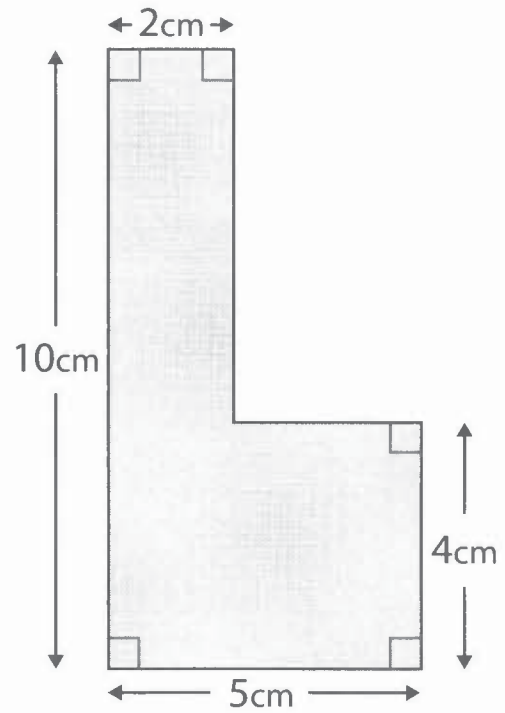


22 Write the missing time.

| Time in Alaska | Time the same day in Wales |
|----------------|----------------------------|
| 6am | 3pm |
| | 11pm |

1m

23 Work out the area of this shape.



A large rectangular box for working out the area. In the top-left corner, there is an icon of a notepad and a pen. In the bottom-right corner, there is a smaller rectangular box containing the text cm^2 .

2m

24 This phone was £50
but is now £45



That's a % reduction in price.

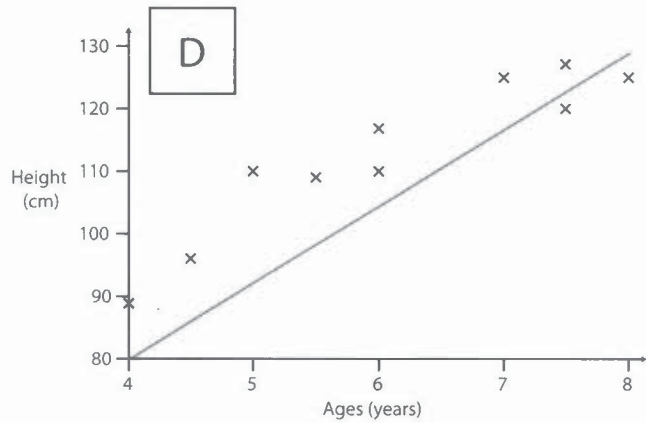
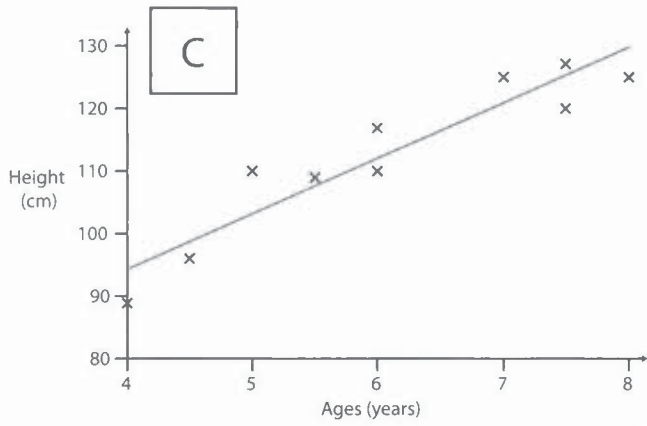
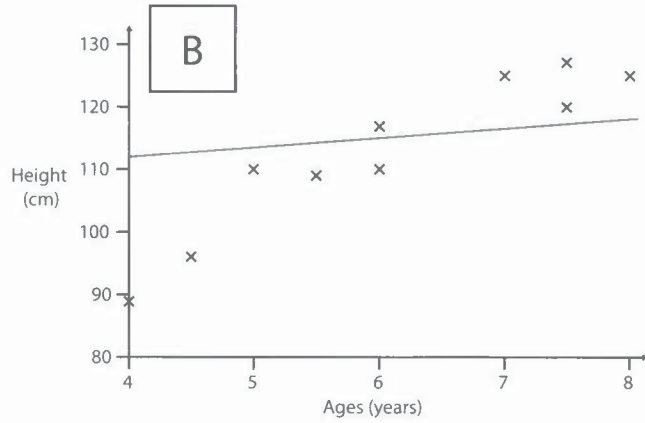
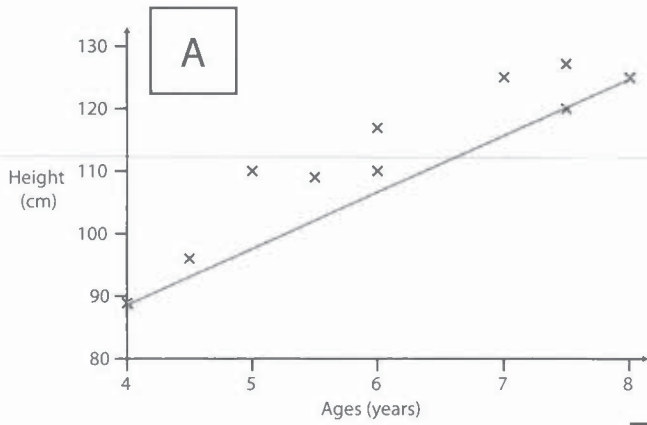
1m

TOTAL

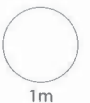
7m

25

Which scatter diagram shows the line of best fit?



Choose A, B, C or D.

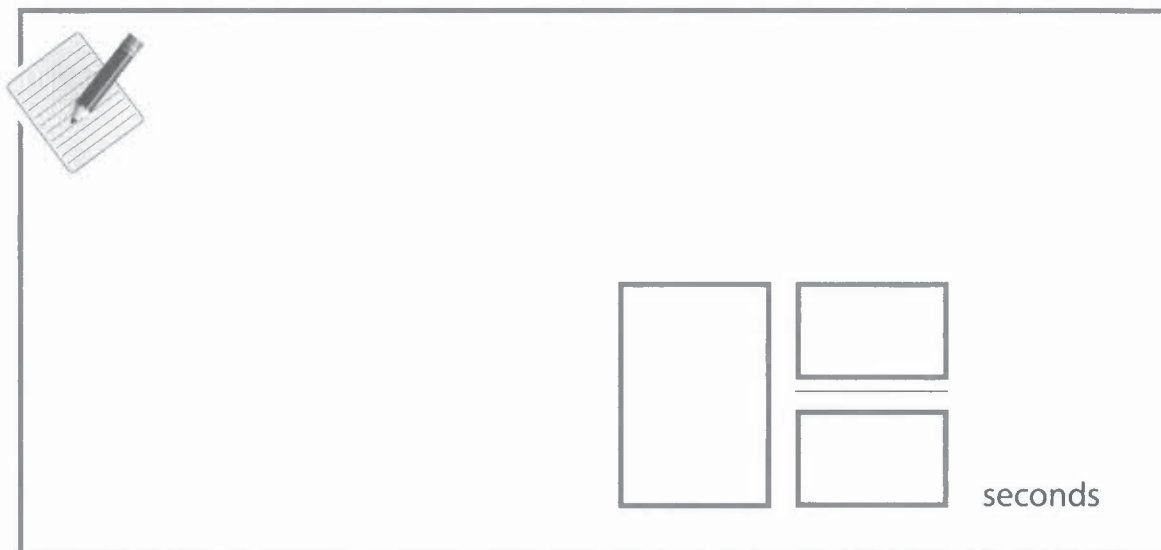


26 Lian and Jason race.

Lian's time is $\frac{3}{100}$ of a minute faster than Jason's.

How many seconds faster is that?

Write your answer as a mixed number in its simplest form.



seconds



27 VAT is a tax that is paid on most goods.

Example:

Cost before VAT is added £5

Cost after VAT at 20% is added £6

Write the missing number:

Cost before VAT is added

£

Cost after VAT at 20% is added £30



TOTAL



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