

PROCEDURAL

8EP17

First name _____

Last name _____

School _____

Class _____

Date of birth

Date of test

Total score (maximum 36)



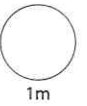
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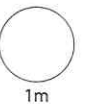
Llywodraeth Cymru
Welsh Government

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

quarters



- 2 $150 - 3 \times 10 =$



- 3
- Play table tennis

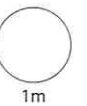
Adults	£3.95 per person
Children	£1.90 per person



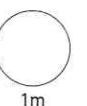
1 adult and 3 children want to play table tennis.

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

£



- 4 Divide 2.4 by 4

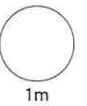
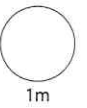
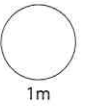


5

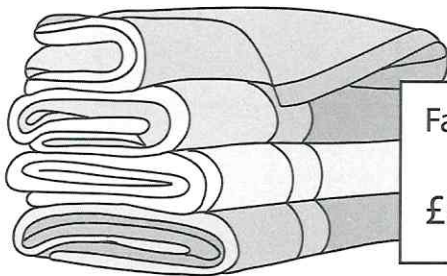
$$3 - 2.85 =$$

$$\sqrt{36} =$$

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



6



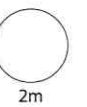
Fabric

£3.70 per metre

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



£



TOTAL



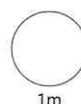
- 7 Write the number that is halfway between 0.7 and 0.8



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



Work out their **mean** age.

 years

- 9 Write the numbers in order, smallest first.

$\frac{1}{5}$

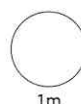
0.45

0.5

5%

smallest

largest



- 10 Convert 10 metres to centimetres.

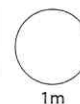
 centimetres

11 Train in India:

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

How long is the journey?

hours	minutes
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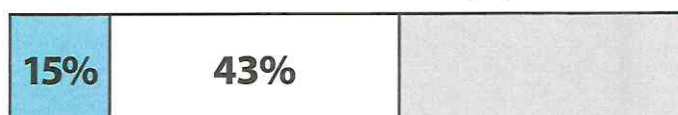


12 A school did two surveys to find out what pupils think about science.

Results at the beginning of Year 8 (100 pupils)



Results at the end of Year 8 (100 pupils)




Key

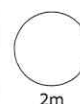
-  dislike
-  quite like
-  like a lot

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

By how many pupils has it increased?



pupils



13

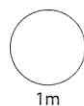
The cube root of 125 =



14

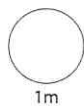
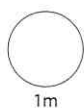
Add together $\frac{2}{8}$ and $\frac{4}{16}$

Write your answer in its simplest form.



15

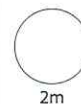
20% of 125 =

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

16

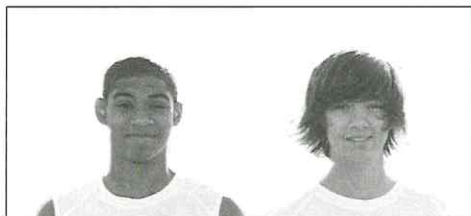
How many square centimetres are there in **one square metre**?

- 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?

%



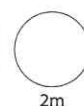
- 19 Round 6.819 to one significant figure.



TOTAL

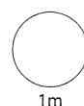


- 20 Work out $6^2 + 7 - (7^2 - 6)$



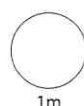
- 21 Write the fraction in its simplest form.

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

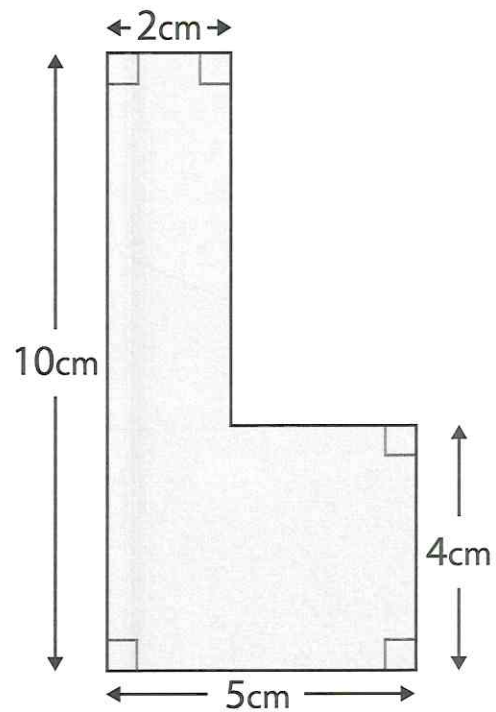



- 22 Write the missing time.

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



- 23 Work out the area of this shape.



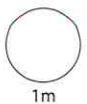
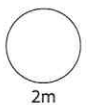


cm^2

- 24 This phone was £50
but is now £45

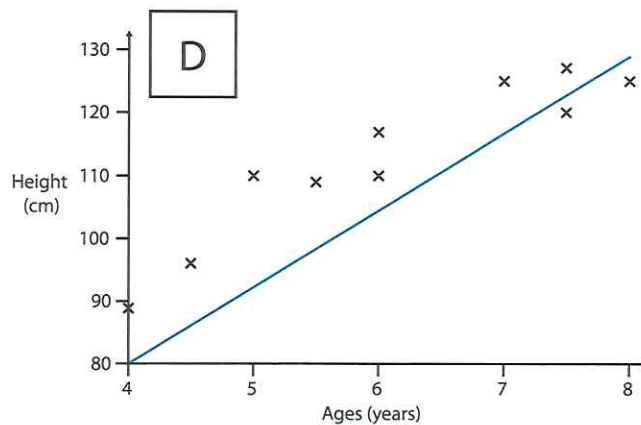
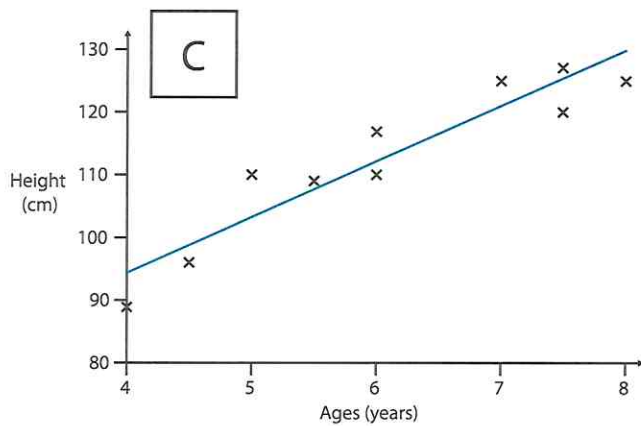
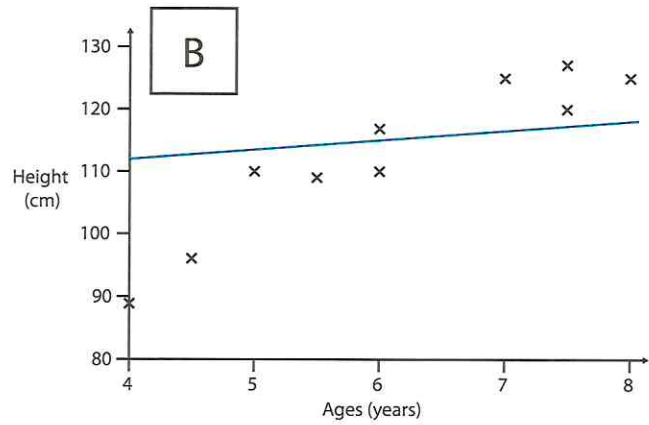
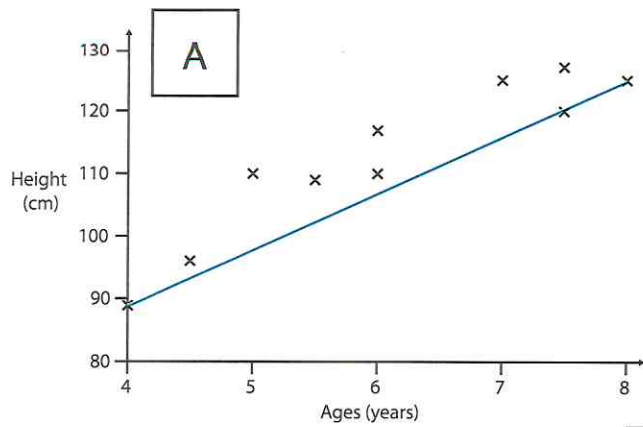


That's a % reduction in price.

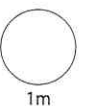


25

Which scatter diagram shows the line of best fit?



Choose A, B, C or D.

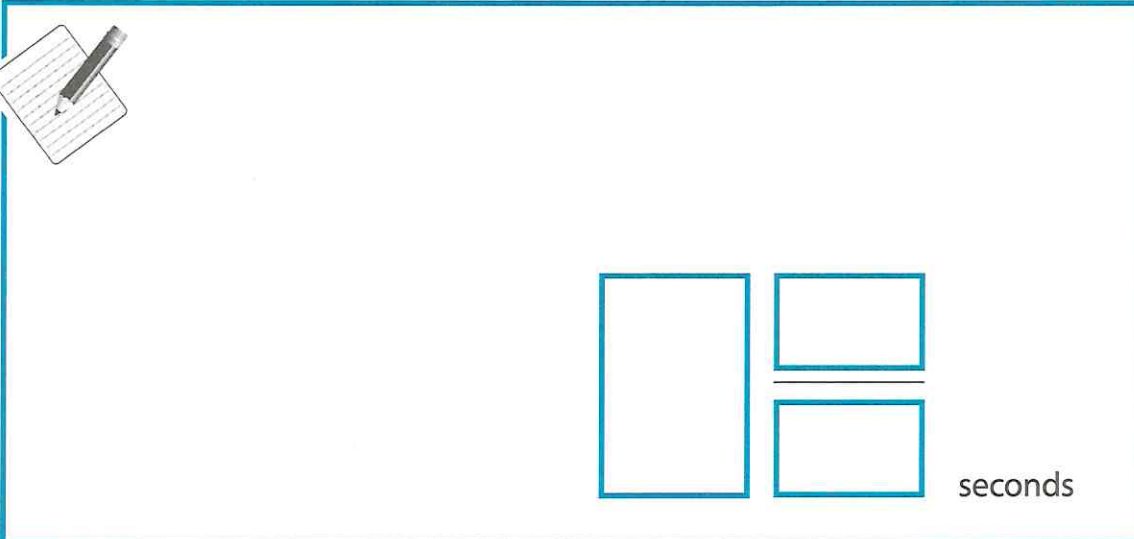


- 26 Lian and Jason race.

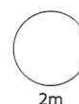
Lian's time is $\frac{3}{100}$ of a minute faster than Jason's.

How many seconds faster is that?

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



$\frac{\boxed{}}{\boxed{}}$ seconds



2m

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

Example:

Cost before VAT is added £5

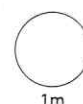
Cost after VAT at 20% is added £6

Write the missing number:

Cost before VAT is added

£

Cost after VAT at 20% is added £30



1m

