

PROCEDURAL

8EP17

First name _____

Last name _____

School _____

Class _____

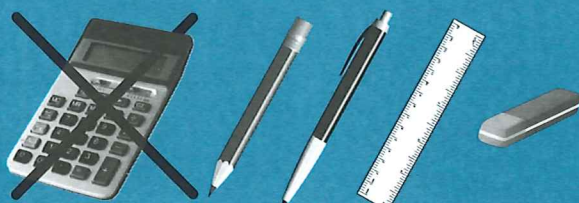
Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ (2)(0)(1)(7)

Total score (maximum 36)



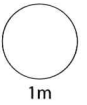
150299



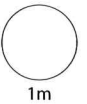
Llywodraeth Cymru
Welsh Government

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

quarters



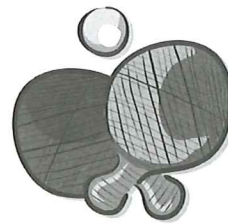
2 $150 - 3 \times 10 =$



3

Play table tennis

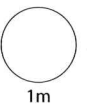
Adults	£3.95 per person
Children	£1.90 per person



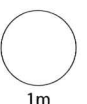
1 adult and 3 children want to play table tennis.

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

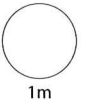
£



4 Divide 2.4 by 4



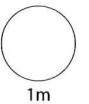
7 Write the number that is halfway between 0.7 and 0.8



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



Work out their **mean** age.

 years

9 Write the numbers in order, smallest first.

$\frac{1}{5}$

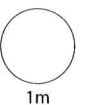
0.45

0.5

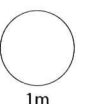
5%

smallest

largest



10 Convert 10 metres to centimetres.

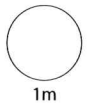
 centimetres

11 Train in India:

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

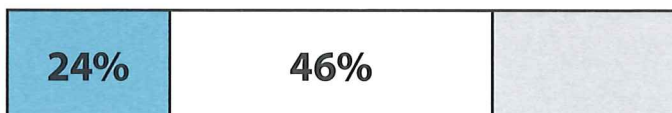
How long is the journey?

hours	minutes
-------	---------



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)

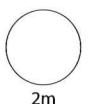


The number of pupils who **like science a lot** has increased.

By how many pupils has it increased?



pupils

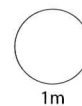


TOTAL



13

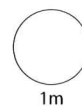
The cube root of 125 =



14

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

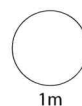
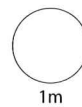
Write your answer in its simplest form.



15

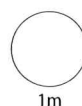
20% of 125 =

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

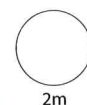


16

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



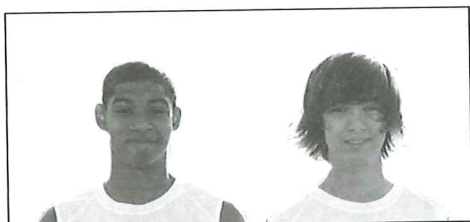
17 Multiply 3.4 by 2.3



2m

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?

%



1m

19 Round 6.819 to one significant figure.



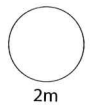
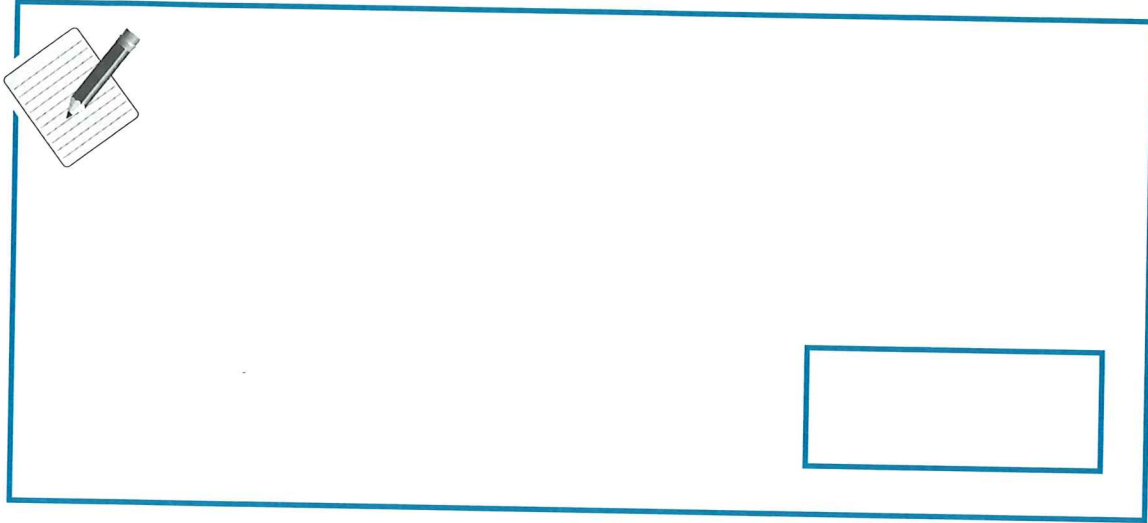
1m

TOTAL



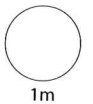
9m

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



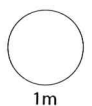
21 Write the fraction in its simplest form.

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

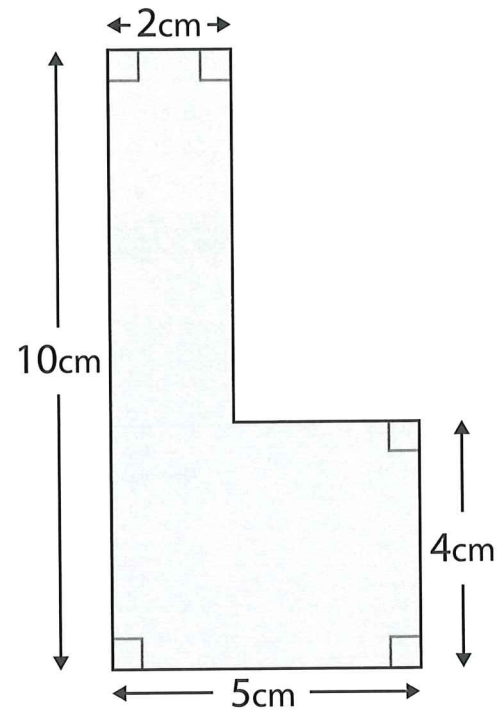



22 Write the missing time.

Time in Alaska	Time the same day in Wales
6am	3pm
<input type="text"/>	11pm



23 Work out the area of this shape.





2m

24 This phone was £50
but is now £45

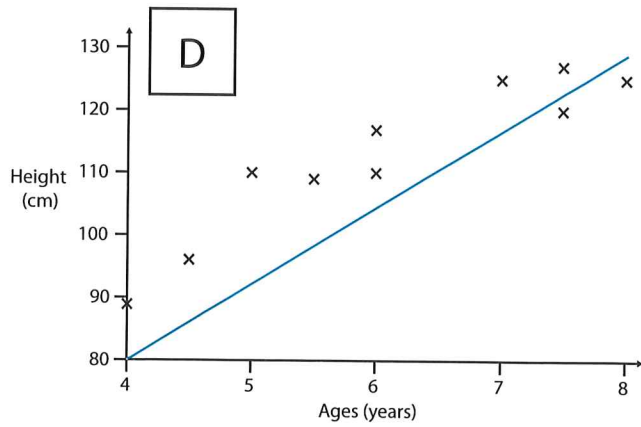
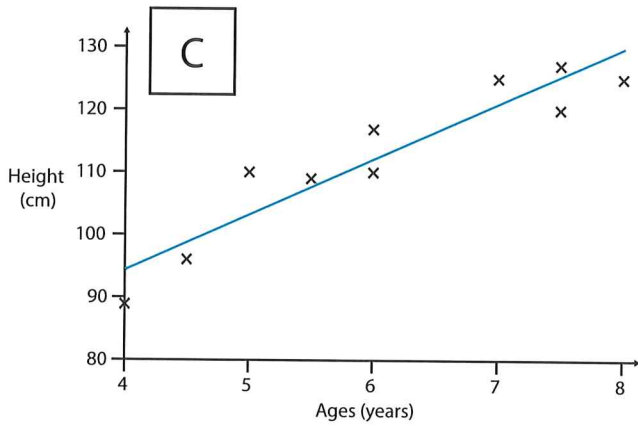
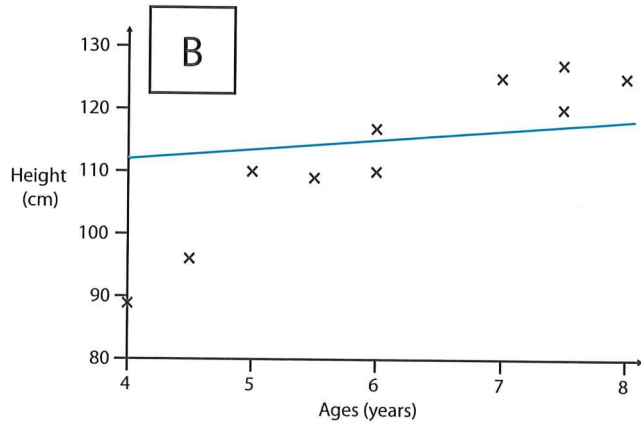
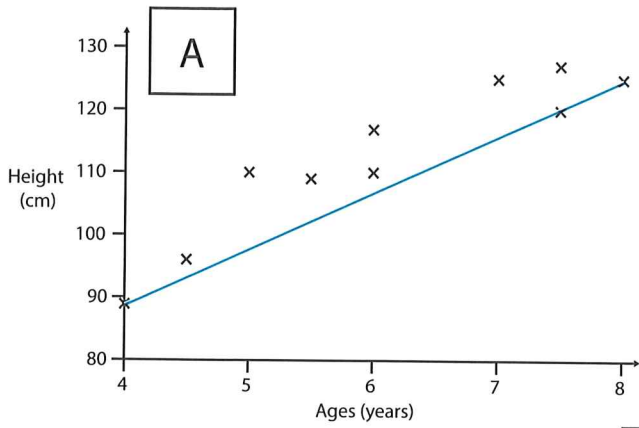


That's a % reduction in price.

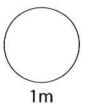
1m

TOTAL
7m

25 Which scatter diagram shows the line of best fit?



Choose A, B, C or D.

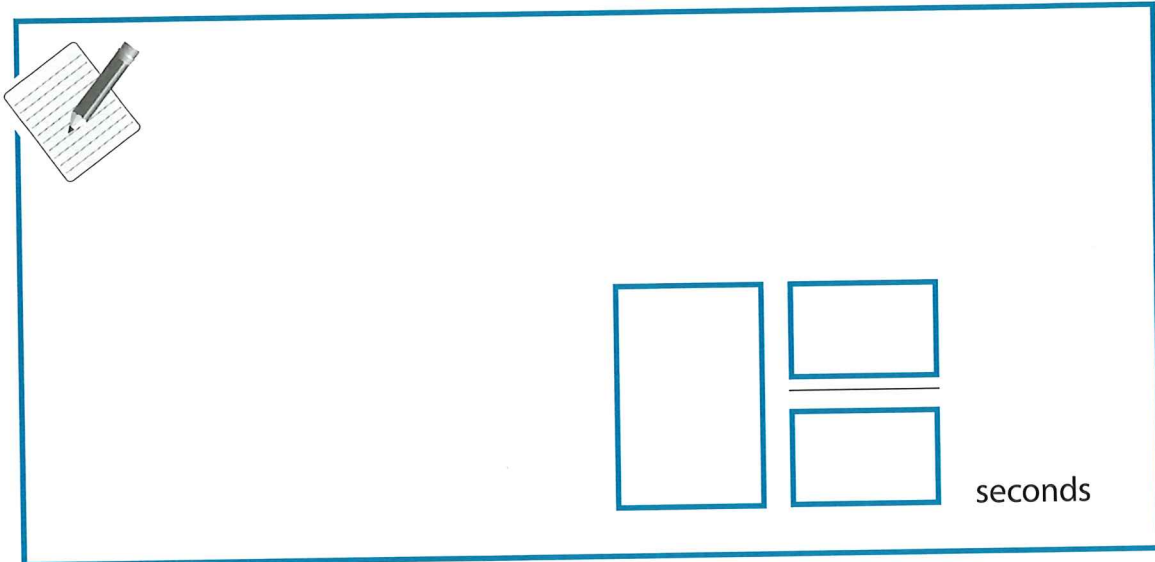


26 Lian and Jason race.

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.



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

© Crown copyright 2017