

PROCEDURAL

9EP16

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ 2016

Total score (maximum 36)



139108

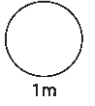
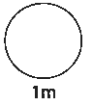


Llywodraeth Cymru
Welsh Government

1

$$2 \times 1\frac{1}{2} =$$

$$\text{Half of } 1\frac{1}{2} =$$

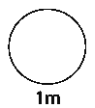


2

Estimate the total cost of these DVDs, to the nearest £.

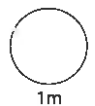


£



3

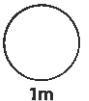
$$10 \times (5.9 + \text{ }) = 100$$



4 Ahmed has:

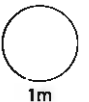
- 25 ten-euro banknotes, and
- 15 five-euro banknotes.

How many euros does he have altogether?

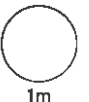


5

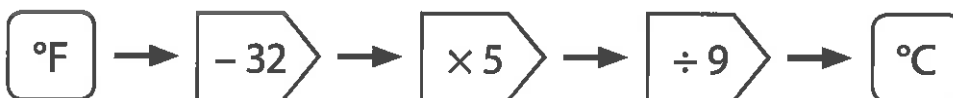
$5\% \text{ of } 120 =$



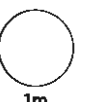
$90\% \text{ of } 300 =$



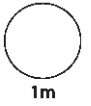
6 This formula converts °F to °C.



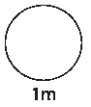
Use the formula to convert 50°F to °C.



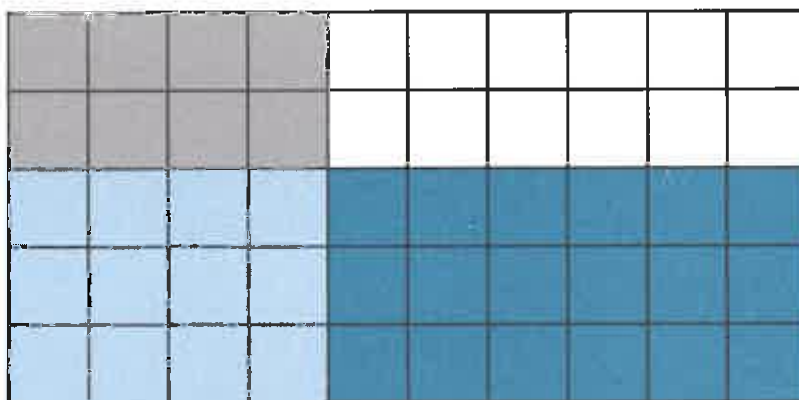
7 Round 6868 to 2 significant figures.





8 $10^2 \times$ $= 2000$



9 Four pupils want to be their school representative.
The grid shows the proportion of votes for each person.

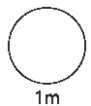


Key: Votes for

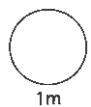
-  Kate (Year 8)
-  Guto (Year 8)
-  Beti (Year 9)
-  Tony (Year 9)

What **fraction** of votes is for **Kate**?

Write your answer in its simplest form.



What **percentage** of votes is for pupils in Year 9?

 %

10 A map has a scale of 1 : 5000

How many metres does 1 centimetre on the map represent?

metres



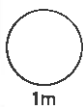
11 Increase £72 by 25%.

£



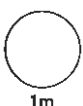
12 Write the missing number.

Inches	=	Centimetres
1	=	2.54
1.5	=	<input type="text"/>



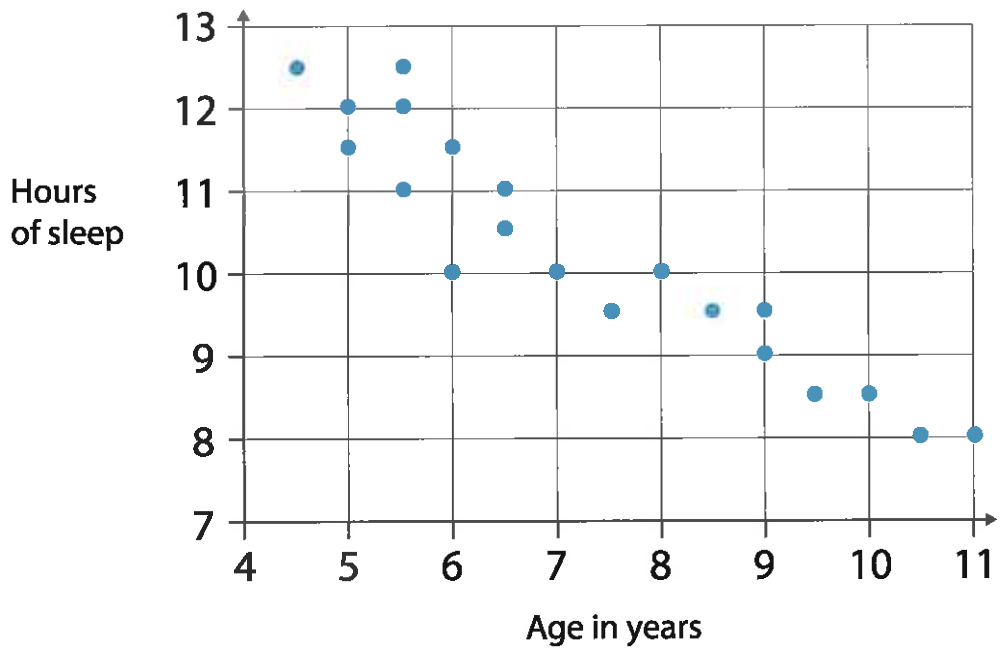
13

$1\frac{1}{20}$ kilograms = grams



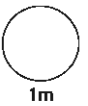
14

How much sleep 20 children had last night

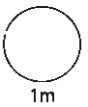


How many of the 20 children slept for **less than 12** hours?

children

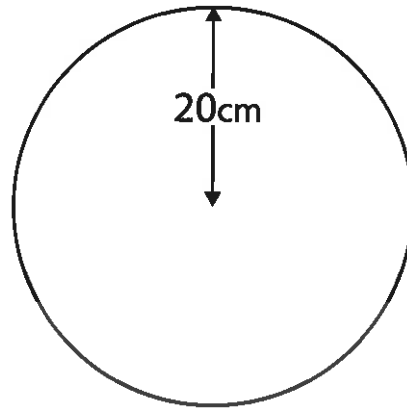


What type of correlation does the scatter diagram show?

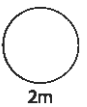


15 Work out the area of the circle.

Use $\pi = 3.14$

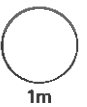


A large blue-lined rectangular area for working out the answer. In the top-left corner, there is a small icon of a notepad with a pencil. In the bottom-right corner, there is a smaller blue-lined box containing the text "cm²".

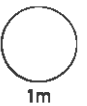


16

$$200 - 2 \times 5^2 =$$



$$(0.1)^2 =$$



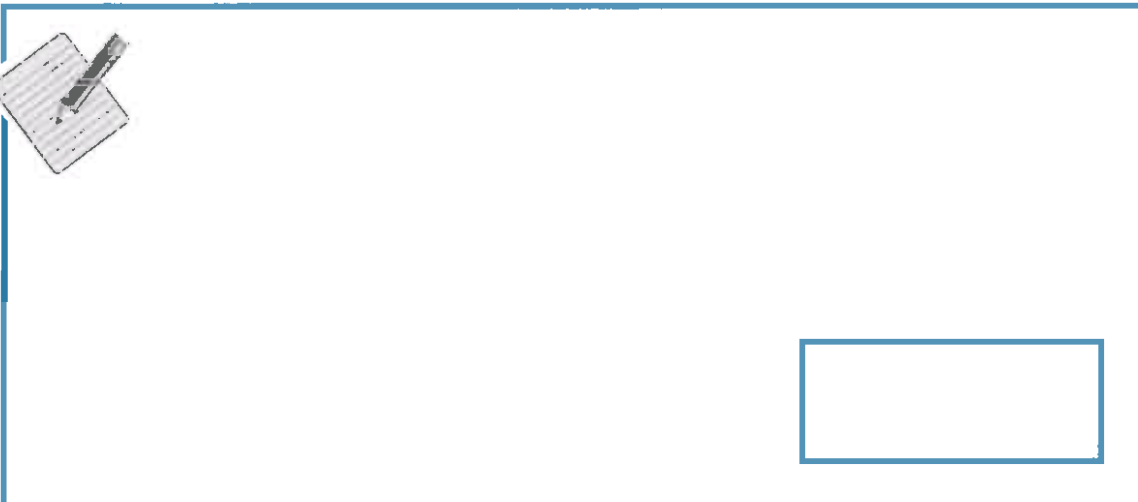
$$10^3 \div (8^2 + 6^2) =$$



- 17 The table shows how many pupils got each grade in a test.

	Top grade (3 points)	Middle grade (2 points)	Lowest grade (1 point)
Number of pupils	25	65	10

Work out the **mean** number of points for the test.



2m

18

179 Japanese Yen = £1

Which calculation below gives the number of £ in 1000 Japanese Yen?

Circle your answer.

1000 + 179

179 × 1000

179 ÷ 1000

1000 ÷ 179

1m

- 19 Nadia wants to drive her caravan from her home to Fishguard.

Here is her plan:

Number of miles on the motorway (average speed 60mph)	Number of miles not on the motorway (average speed 30mph)
150	60

At those speeds, how long will her journey take?



20

Bank:

Save £6000 in one year and get 3% interest paid into your account at the end of the year, less a fee of £2 per month.

Eleri puts £6000 into her account at the beginning of the year.

How much does the bank pay into her account at the end of the year?

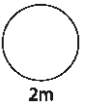


21 $\frac{1}{12} = 0.0833333\dots$ which is a recurring decimal.

Circle the fractions below that do **not** convert to recurring decimals.

$\frac{2}{12}$ $\frac{3}{12}$ $\frac{4}{12}$ $\frac{5}{12}$ $\frac{6}{12}$

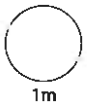
$\frac{7}{12}$ $\frac{8}{12}$ $\frac{9}{12}$ $\frac{10}{12}$ $\frac{11}{12}$



22 A calculator shows the answer to a question.



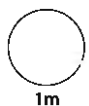
How many million is that?



23 A data set of **ten** numbers has a mean of 7

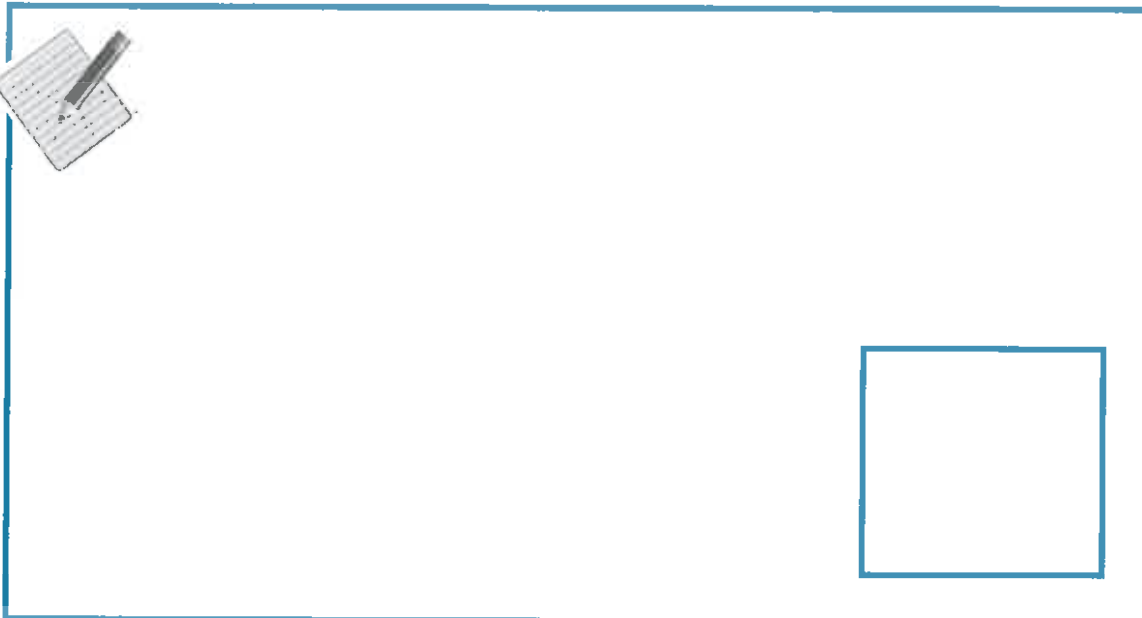
One more number is added; its value is 18

What is the mean of this bigger data set?

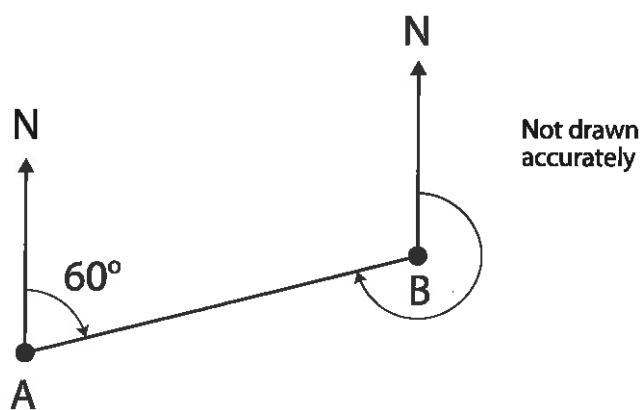


- 24 Write the fraction that is exactly halfway between 0.72 and $\frac{4}{5}$

Write the fraction in its simplest form.




- 25 The bearing of B from A is 060°



What is the bearing of A from B?




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