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1B

Maryann recorded the amount she spent in school over 5 days.

Day	Amount
Monday	\$2.10
Tuesday	\$1.60
Wednesday	\$1.80
Thursday	\$1.70
Friday	\$2.30

$$\text{Average} = \frac{\text{Total amount}}{\text{Number of data}}$$



What was the average amount Maryann spent each day?

$$\begin{aligned}\text{Total amount} &= \$2.10 + \$1.60 + \$1.80 + \$1.70 + \$2.30 \\ &= \$9.50\end{aligned}$$

$$\begin{aligned}\text{Average} &= \$9.50 \div 5 \\ &= \$1.90\end{aligned}$$

Maryann spent an average of \$1.90 each day.

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1A

The table shows the scores Huda obtained in 3 Mathematics Test.

Test	Test 1	Test 2	Test 3
Score	65	75	82

What was Huda's average score?

$$\begin{aligned}\text{Total score} &= 65 + 75 + 82 \\ &= \boxed{}\end{aligned}$$

$$\begin{aligned}\text{Average} &= \boxed{} \div \boxed{} \\ &= \boxed{}\end{aligned}$$

Huda's average score was $\boxed{}$.

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1B

Four students sold T-shirts for a fundraiser. The table shows the number of T-shirts each student sold.

Name	Allison	Munah	Carina	Rehna
Number of T-shirts	12	20	16	28

What is the average number of T-shirts each student sold?

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2

The average length of 4 ribbons was 8.25 cm.
What was the total length of the ribbons?

$$\begin{aligned}\text{Total length} &= 8.25 \times 4 \\ &= 33 \text{ cm}\end{aligned}$$

The total length of the ribbons was 33 cm.

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2A

Cheryl spent all of her allowance in 5 days. She spent an average of \$3.50 each day. How much did she spend altogether in the 5 days?

$$\text{\$ } \boxed{} \boxed{} \boxed{} = \text{\$ } \boxed{}$$

She spent \$ altogether in the 5 days.

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2B

Ravi runs an average distance of 800 m each day. Find the total distance he runs in 5 days. Give your answer in kilometres. km

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3

The total mass of some identical boxes was 96 kg.
The average mass of one such box was 8 kg.
How many boxes were there?

$$\begin{aligned}\text{Number of boxes} &= 96 \div 8 \\ &= 12\end{aligned}$$

There were 12 boxes.



Work in pairs.

- 1 The table shows the number of coloured shirts Mr Tan has.

Colour	Pink	White	Blue
Number of Shirts	2	8	5

Find the average number of shirts Mr Tan has. Tell your partner the information needed to find the average.

- 2 What do you notice about the relationship between the information that you need and average?
- 3 Solve the following.
- a Average = 7, Total number = 84
Find the number of data.
 - b Average = 25, Number of data = 4
Find the total number.
- 4 What do you notice about the relationship between average, total number or total amount and number of data?

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3A

Jane had \$60. She spent an average of \$5 each day. How many days did she take to spend all her money?

$$\boxed{} \div \boxed{} = \boxed{}$$

She took $\boxed{}$ days to spend all her money.

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3B

The average number of flowers in a vase is 8.
There is a total of 120 flowers.
How many vases are there? $\boxed{}$

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3c

The masses of 5 pupils are shown in the table below. However, the total mass of the girls was left out.

	Pupils	Total Mass
Girls	Linda, Elsa	?
Boys	Alvin, Chris, George	104 kg

The average mass of the 5 pupils is 32.8 kg.
Find the average mass of the girls.

$$\begin{aligned} \text{Total mass of pupils} &= \text{ } \bigcirc \text{ } \\ &= \text{ } \text{ kg} \end{aligned}$$

$$\begin{aligned} \text{Total mass of girls} &= \text{ } \bigcirc \text{ } \\ &= \text{ } \text{ kg} \end{aligned}$$

$$\begin{aligned} \text{Average mass of girls} &= \text{ } \bigcirc \text{ } \\ &= \text{ } \text{ kg} \end{aligned}$$

The average mass of the girls was $\text{ } \text{ kg}$.

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3d

Patrick, Michael, Thomas and John took part in a darts competition.
Their average score was 78. What was their total score? $\text{ } \text{ }$