

Tuesday 30th June

Today you will investigate some number statements.

We are looking to see who can prove or disprove them. 2 Dojo points for each statement you investigate!

Will it be you?

First, try the questions below, thinking about whether you can use a mental method, or will need to use a written one.

$$A. 87.1 + 11.2 =$$

$$B. \frac{3}{4} \text{ of } 132 =$$

$$C. 3,380 \div 6 =$$

$$D. 69 - 31 =$$

$$E. 87.32 - 37.41 =$$

Q1 Tallulah has drawn a rectangle.

The length of the rectangle is double its height.

The height of the rectangle is 6cm.

What is the area of the Tallulah's rectangle?
Don't forget your units!



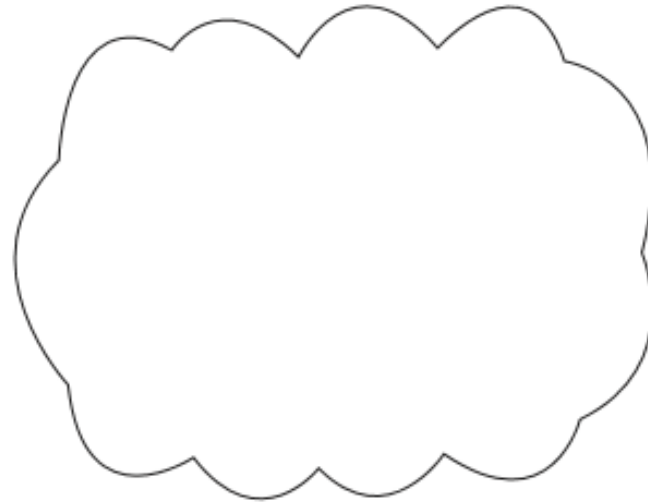
1 mark

Q2 Here are two numbers:

9,996

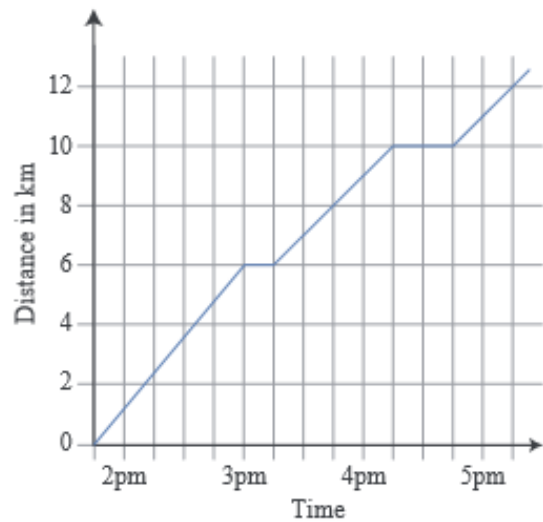
10,006

Circle the number closest to ten thousand,
then explain how you know.



1 mark

- Q3** This line graph shows how far Evie cycled in one afternoon.



- a** By what time had Evie cycled 8km?

1 mark

- b** How far did Evie cycle between her first and second breaks?

1 mark

True or false - test these statements! Then let us know your findings!

If you add 3 odd numbers, you will always make a prime number.

The sum of 6 odd numbers is always an even number.

If you add 3 consecutive odd numbers, you will sometimes make an even number.

Answers

$$\text{A. } 87.1 + 11.2 = 98.3 \text{ (M)}$$

$$\text{B. } \frac{3}{4} \text{ of } 132 = 99 \text{ (M)}$$

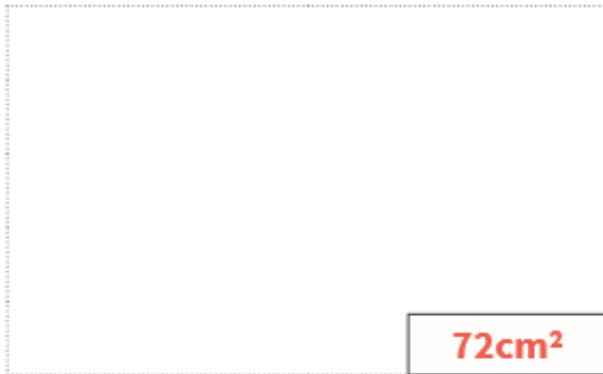
$$\text{C. } 3,380 \div 6 = 563 \text{ r } 2 \text{ or } 563 \frac{2}{6} \\ \text{or } 563.33 \text{ (W)}$$

$$\text{D. } 69 - 31 = 38 \text{ (M)}$$

$$\text{E. } 87.32 - 37.41 = 49.91 \\ \text{(W)}$$

- Q1** Tallulah has drawn a rectangle.
The length of the rectangle is double its height.
The height of the rectangle is 6 cm.

What is the area of the Tallulah's rectangle?
Don't forget your units!



1 mark

- Q2** Here are two numbers:

9,996

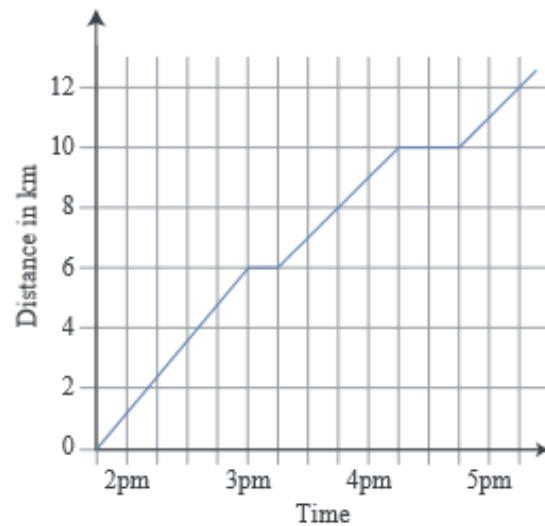
10,006

Circle the number closest to ten thousand,
then explain how you know.

The difference between 9,996 and 10,000 is 4, whereas the difference between 10,006 and 10,000 is 6.

1 mark

- Q3** This line graph shows how far Evie cycled in one afternoon.



- a** By what time had Evie cycled 8km?

3.45 pm

1 mark

- b** How far did Evie cycle between her first and second breaks?

4 km

1 mark