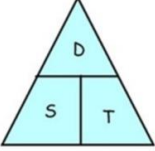




New Maths GCSE: R11 - Speed, Distance, Time - Formula Triangles

Name:

Date:

 What is the correct formula to calculate **Distance**?

A $\frac{\text{Speed}}{\text{Time}}$ **B** $\frac{\text{Time}}{\text{Speed}}$

C $\text{Speed} + \text{Time}$ **D** $\text{Speed} \times \text{Time}$

Correct Answer: A B C D

Explanation:

.....

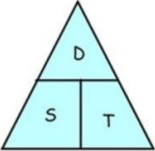
.....

.....

.....

.....

.....

 What is the correct formula to calculate **Speed**?

A $\frac{\text{Distance}}{\text{Time}}$ **B** $\frac{\text{Time}}{\text{Distance}}$

C $\text{Distance} \times \text{Time}$ **D** $\text{Distance} - \text{Time}$

Correct Answer: A B C D

Explanation:

.....

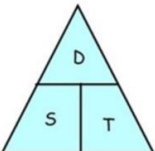
.....

.....

.....

.....

.....

 What is the correct formula to calculate **Time**?

A $\frac{\text{Speed}}{\text{Distance}}$ **B** $\frac{\text{Distance}}{\text{Speed}}$

C $\text{Distance} - \text{Speed}$ **D** $\text{Distance} \times \text{Speed}$

Correct Answer: A B C D

Explanation:

.....

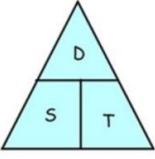
.....

.....

.....

.....

.....



A car travels for 4 hours at an average speed of 45 miles per hour

How would you work out how far it has travelled in miles?

A $45 \div 4$ **B** 4×45

C $4 \div 45$ **D** $4 + 45$

Correct Answer: A B C D

Explanation:

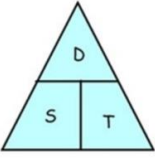
.....

.....

.....

.....

.....



An athlete runs at an average speed of 8.3 metres per second for 15 seconds

How would you work out how far they have travelled in metres?

A $8.3 \div 15$ **B** $15 + 8.3$

C 8.3×15 **D** $15 \div 8.3$

Correct Answer: A B C D

Explanation:

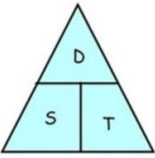
.....

.....

.....

.....

.....



An athlete runs at an average speed of 6.1 metres per second for 2 minutes

How would you work out how far they have travelled in metres?

A $6.1 \div 2$ **B** 6.1×120

C 6.1×2 **D** $6.1 \div 120$

Correct Answer: A B C D

Explanation:

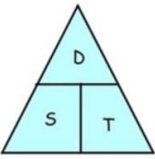
.....

.....

.....

.....

.....



An dog runs at an average speed of 7 metres per second for 10 minutes

How would you work out how far the dog has travelled in kilometres?

A 7×600 **B** $7 \times 600 \times 1000$

C $\frac{7 \times 600}{1000}$ **D** 7×10

Correct Answer: A B C D

Explanation:

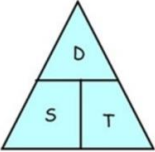
.....

.....

.....

.....

.....



A car travels for 325 kilometres at an average speed of 62 kilometres per hour

How would you work out how long it takes in hours?

A $325 \div 62$ **B** $325 - 62$

C $62 \div 325$ **D** 62×325

Correct Answer: A B C D

Explanation:

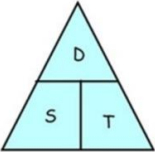
.....

.....

.....

.....

.....



A car travels for 500 kilometres at an average speed of 45 kilometres per hour

How would you work out how long it takes in minutes?

A $500 \div 45$ **B** $\frac{500}{45} \times 60$

C $\frac{500}{45} \div 60$ **D** 500×45

Correct Answer: A B C D

Explanation:

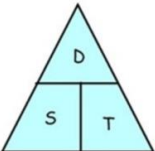
.....

.....

.....

.....

.....



A rat travels for 300 metres at an average speed of 1.8 metres per second

How would you work out how long it takes in minutes?

A $300 \times 45 \times 60$ **B** $300 \div 1.8$

C $\frac{300}{1.8} \div 60$ **D** $\frac{300}{1.8} \times 60$

Correct Answer: A B C D

Explanation:

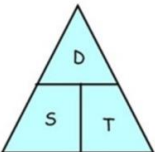
.....

.....

.....

.....

.....



A bus travels 200 miles in 3 hours

How would you work out its average speed in miles per hour?

A $3 \div 200$ **B** 200×3

C $200 \div 3$ **D** $\frac{200}{3} \times 60$

Correct Answer: A B C D

Explanation:

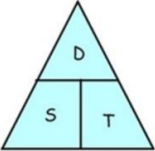
.....

.....

.....

.....

.....



A plane travels 100 miles in 22 minutes

How would you work out its average speed in miles per hour?

A $100 \div 22$ **B** $\frac{100}{22} \div 60$

C $100 \times 22 \times 60$ **D** $\frac{100}{22} \times 60$

Correct Answer: A B C D

Explanation:

.....

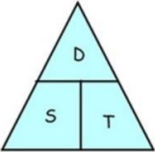
.....

.....

.....

.....

.....



A snail travels 3 metres in 40 minutes

How would you work out its average speed in metres per second?

A $\frac{3}{40} \div 60$ **B** $3 \div 40$

C $\frac{40}{3} \times 60$ **D** $\frac{3}{40} \times 60$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....