

Converting Units of Measure

Question 1

The women's marathon started at **13:30**. The **first** runner crossed the line after **200 minutes**. The **last** runner crossed the line **54 minutes later**.

a) At what time did the first runner cross the line?

b) What time did the race finish?

Question 2

The men's 20 km competitive walk started at **18:30**. The **first** athlete crossed the line at **20:03** and the last athlete was **14 minutes later**.

a) How long did the first runner take to complete the race?

b) How long did the last athlete take to complete the race?

Question 3

The men's 50 km competitive walk started at **11:30 am**. The **first** athlete crossed the line with a time of **3 hours and 40 minutes** and the last athlete crossed the line **59 minutes later**.

a) At what time did the first athlete cross the line?

b) How long did the last athlete take to complete the race?

Converting Units of Measure

Independent Task

Task 1

Use the information to work out who has trained the longest.

Nicola has done **two hours** a **week** for **seven weeks**.

Mark has done **300 minutes** **once a fortnight** for **six weeks**.

Tom has done **30 minutes a day** for **24 days**.

Task 2

Draw a bar model to show your understanding of each of the athletes training schedules.

Task 3

How much longer does each athlete need to train so they are all training for the same amount of time?

- Write out and convert the units of time you are dealing with.
- Represent it using a bar model.
- Using multiplication to solve each part.



Lesson 3- Wednesday

Century tech- Diagnostic test on measurement.

Lesson 4- Thursday

Converting Units of Measure

Athlete bathroom

4.5 m

8 m

150 cm

250 cm

7 m

700 cm

Not to scale

Independent Task - Task 1 of 2

1. Convert each measurement to the same unit
2. Find your missing quantity
3. Find any mistakes in the plans

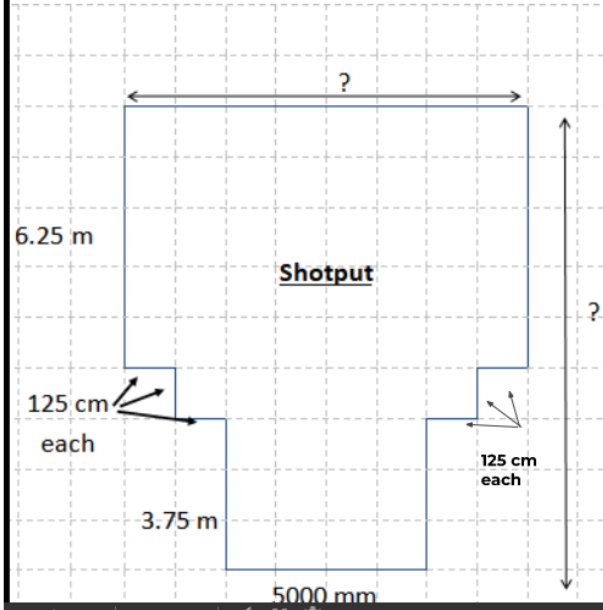
cent means 100 in

Milli means 1000 in

Lesson 5- Friday

Converting Units of Measure

Independent Task - Task 2 of 2



1. Convert each measurement to the same unit
2. Find your missing quantity
3. Find any mistakes in the plans

cent means 100 in

Milli means 1000 in

