

Master Maths 9 Worksheet 7

Decimals 2

7

Name: _____

1. Use a calculator to solve the following problems.
Give answers correct to **two** decimal places.

(a) 5.89×7.325 (b) $67.893 \div 2.513$

2. Jay is a motor cyclist. His times for each of two warm up laps of a circuit were 45.573 seconds and 45.539 seconds.

- (a) What was the difference between his two lap times?

- (b) Which was the **fastest** time?

- (c) Mitchell's fastest lap time was twenty-two thousandths of a second **slower** than Jay's fastest time.

What was Mitchell's fastest lap time ?

- (d) What was the average time of Jay's two warm up laps?

- (e) The race was 26 laps of the circuit and Jay completed the race in 20 minutes 10.352 seconds.
What was Jay's average lap time?

- (f) Jay finished the race 2.626 seconds in front of Mitchell. What was Mitchell's average lap time for the race?

3. (a) A box of oranges weighed 38.4 kg.
The average box contained 150 oranges.
What is the mass of the average orange?

- (b) How many oranges would be expected to be in a 3 kg bag? Round answer to the nearest orange.

4. 500 sheets of paper was 56.8 mm thick.
What is the thickness of one sheet of paper.
Give answer correct to the nearest thousandth of a millimetre.

5. A scientist took a photo of a cell and after it was enlarged by a factor of 1000 it measured 3.68 mm. What was the actual size of the cell?

6. The length of a stalactite would increase by one tenth every year (its length at the end of a year was one tenth longer than its length at the start of the year).
A stalactite was 87.5 cm long. Find its length three years later.
Round the final length to one decimal place.