

Name :

Stage : 8

Date : 26-01-2021

Total points : 130,5

1) Write the number 100 000 000 as a power of 10. (2 points, 1 each)

$$100\,000\,000 = 10$$

2) Write these in order of size, starting with the smallest. (4 points, 0.5 each)

a 10.9, 10.98, 10.8, 10.09      b 7 m, 750 cm, 0.7 m, 77 cm

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3) Round each number to the given degree of accuracy. (3 points, 0.5 each)

a 6725 (nearest 100)      b 235 890 (nearest 10 000)      c 8 216 899 (nearest million)  
d 63.81 (nearest whole number)      e 12.62 (1 d.p.)      f 7.566 (2 d.p.)

4) Ashley takes part in a discus competition. (4 points, 2 each)

In the first round he throws the discus a distance of 27.29 m.

In the second round he throws the discus a distance of 29.73 m.

Work out:

a the sum of the two distances he has thrown  
b the difference in the two distances he has thrown.



5) Work out these divisions. Give your answers correct to one decimal place. (2 points, 1 each)

a  $96 \div 7 =$       b  $278 \div 3 =$

6) Work out  $(23.8 - 2.49) \div (4 \times 0.15) =$

Give your answer correct to two decimal places. (2 points)

7) i) Work out the answer to the problem below. (4 points)

Jane runs a fun-fair ride.

The prices she charges are shown in the box.

One Thursday Jane has:

18 customers that have 1 ride

12 customers that have 2 rides

5 customers that have 3 rides.

How much money does Jane take on this Thursday?

Thrills and Spills!

1 ride costs \$15

2 rides cost \$28

3 rides cost \$38

8) Which metric units would you use to measure the following? (2 points, 0.5 each)

a the area of a tennis court      b the area of a fingernail  
c the volume of a bucket      d the volume of a lake

9) Write down true (T) or false (F) for each of these statements. (2.5 points, 0.5 each)

a 22 miles is further than 22 km.  
b 50 km is exactly the same distance as 50 miles.  
c 200 km is not as far as 200 miles.

10) Convert these distances into miles. (2 points, 1 each)

a 112 km      b 208 km

11) Convert these distances into kilometres. (2 points, 1 each)

a 45 miles      b 205 miles

12) Which is further, 472 km or 300 miles? (2 points)

Show your working.