Name :
Stage : 8
Date : 26-01-2021
Total points : /30,5

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. (1,5 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.