

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)

$$100\,000\,000 = 10^8$$

- 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.