

Decimals – Entry Three

How to Guide - ANSWERS

Question 1

a) Circle the biggest number 65.25 **65.3**

b) Circle the biggest number **0.55** 0.25

c) Circle the biggest number 5.86 **5.88**

Question 2

Put these numbers in order from smallest to biggest

7.9 7.5 7.2 7.0 7.1 7.4

Smallest  **Biggest**

7.0 7.1 7.2 7.4 7.5 7.9

Question 3

Put these numbers in order from smallest to biggest

12.12 8.91 8.45 12.1 6.9 8.95

Smallest  **Biggest**

6.9 8.45 8.91 8.95 12.1 12.12

Question 4

Put these numbers in order from smallest to biggest

6.9 6.02 10.82 5.02 10.5 10

Smallest  **Biggest**

5.02 6.02 6.9 10 10.5 10.82

Question 5

Order these weights from lightest to heaviest.

6.3kg 2.4kg 1.9kg 0.4kg 0.8kg

0.4kg 0.8kg 1.9kg 2.4kg 6.3kg

Question 6

Order these lengths from longest to shortest.

52.12cm 73.95cm 52.51cm 5.51cm 46.70cm

73.95cm 52.51cm 52.12cm 46.70cm 5.51cm

Question 7

Sally is cooking a veggie burger. The temperature should be between 163.5°C and 165.5°C.



Is the burger cooked? Explain your answer.

Possible answers

No. It is below 163.5 °C.

No. The temperature is too low.

No. The temperature needs to be at least 163.5°C.

Question 8

Amina is driving to her friend's house. She looks at the route on Google Maps. She finds four routes she can take. She wants to take the shortest route.

On the motorway 18.23 miles

By the river 15.5 miles ✓

Through the town centre 15.58 miles

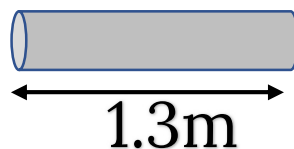
On country roads 16.8 miles

Tick the route Amina should take.

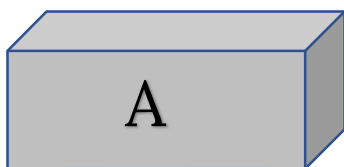
Question 9

John is packing poles into boxes. He wants to find the shortest box that will fit the poles.

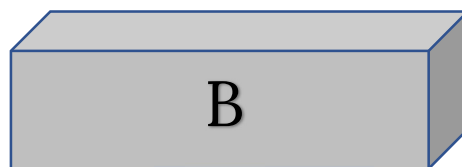
Here is a pole:



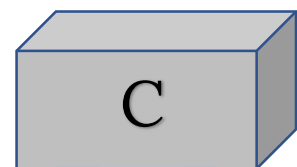
Here are the boxes he has:



1.42m



2.36m



1.1m

Which box should John choose? **Box A (Box C is too short. Box B would fit the pole but he wants the shortest possible box)**

Question 10

Four runners take part in a 100m race. Sian completes the race in 12.5s, Amira in 11.25s, Jason in 11.52s and Han in 12.45s. Who is the fastest runner? **Amira (fastest is the shortest time so the smallest number)**

Question 11

Jason is a chef. He has 12.6kg of flour. He wants to divide it between 4 bags. How much will there be in each bag? **3.15kg**

$$12.6 \div 4 = 3.15$$

Question 12

In a warehouse six boxes are loaded onto a lorry. The boxes weigh 30.9kg in total. One box weighing 4.6kg is taken off the lorry. What is the total weight of the boxes now? **26.3kg**

$$30.9 - 4.6 = 26.3$$

Question 13

Josh has bought some new curtains. They are 1.8m long. Josh is going to add an extra 0.4m to the bottom. How long will the curtains be when he has finished?

2.2m

$$1.8 + 0.4 = 2.2$$

Question 14

Betty wins £325 playing bingo. She decides to give each of her four grandchildren an equal share. How much would they get each? **£81.25**

$$325 \div 4 = 81.25$$

Question 15

Dan pays £12.28 per month for pet insurance. What does he pay in total for the year? **£147.36**

$$12.28 \times 12 = 147.36$$

Question 16

Aidan has a tall tree in his garden measuring 6.2m. He has 1.3m cut off the tree. What is the new height of the tree? **4.9m**

$$6.2 - 1.3 = 4.9$$