

Rounding Up or Rounding Down

Write down your answers in the blanks provided. No need to include the units.

1. A pilot needs to know the height of a mountain the aircraft is to fly over. The mountain is 6.35 km. high. Round this height appropriately:

a) to a whole number of kilometres

Answer:km

b) to one decimal place

Answer:km

2. A bridge is to be built over a river 2315 m wide.
Write down a sensible estimate to its length, to a whole 100 m , for working out how much steel is needed.

Answer:m

When dividing , you may need to decide whether it is more sensible to round up or round down.

A car transporter can carry eight cars.
How many transporters are needed for 60 cars?

$$60 \div 8 = 7.5 \text{ (transporters)}$$

If 7 transporters, there will 4 cars remaining ($7 \times 8 = 56$)

So , 8 transporters are needed.

3. A baker makes loaves weighing 600 g.
How many loaves can she make from 12.9 kg of dough?

Answer:loaves

4. Houses are built with wooden panels. Each house needs 15 panels.
How many houses can be built from 1000 panels?

Answer:houses