

Scaling and Proportion Problems

1.

A recipe for 8 cookies uses 120g of sugar.
How much sugar is needed to make 20 cookies?

2.

A model car is built at a scale of 1 : 5.
If the real car is 4 metres long, how long is the model?

3.

A small bottle of juice serves 3 people using 150ml.
How much juice is needed to serve 12 people?

4.

A map shows a distance of 7 cm, representing a real distance of 21 km.
How far would 10.5 cm represent?

5.

A school made 15 badges using 45g of plastic.
How much plastic is needed to make 40 badges?

6.

To feed 4 children, a pasta dish uses 320g of pasta.
How much pasta is needed for 10 children?

7.

A gardener plants 6 flowers in 1.2 metres of soil.
How many flowers can be planted in 4.8 metres?

8.

A machine makes 250 boxes in 5 hours.
How many boxes will it make in 12 hours at the same rate?

Scroll down for solutions

Solutions

1.300g

2.0.8 m

3.600ml

4.31.5 km

5.120g

6.800g

7.24 flowers

8.600 boxes