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.

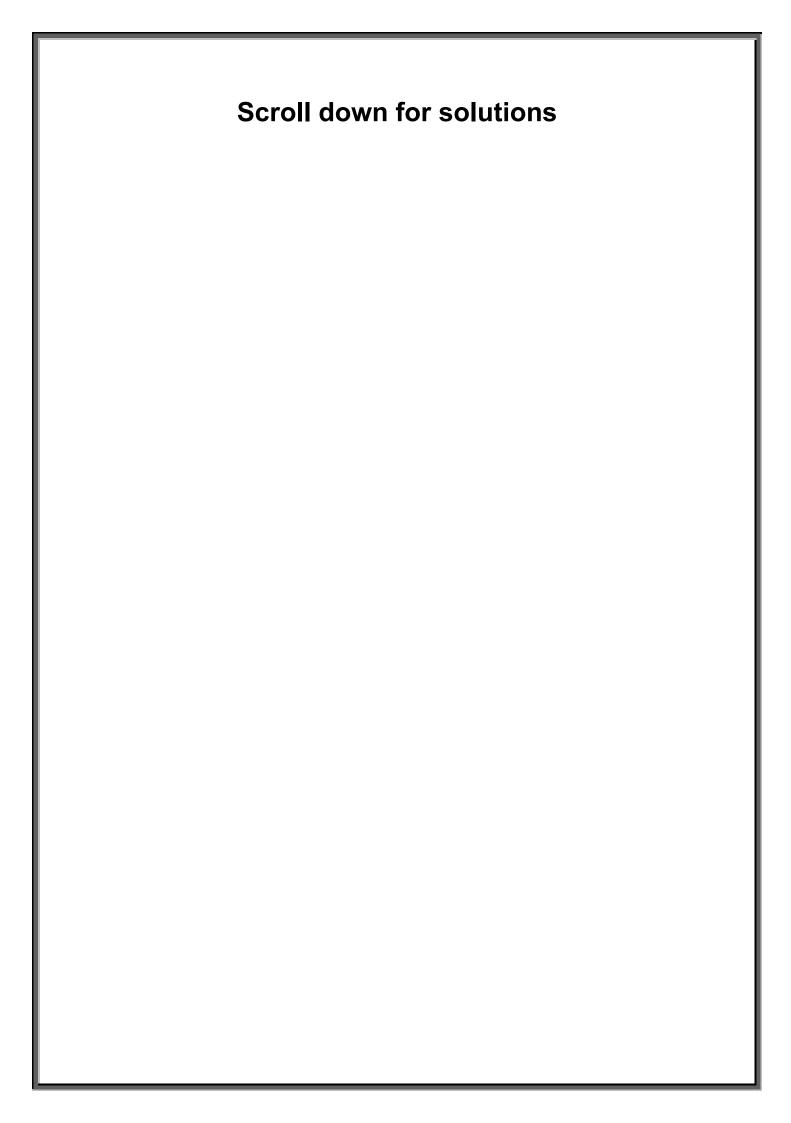
To feed 4 children, a pasta dish uses 320g of pasta. How much pasta is needed for 10 children?

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?



Solutions



2.0.8 m

3.600ml

4.31.5 km

5.120g

6.800g

7.24 flowers

8.600 boxes