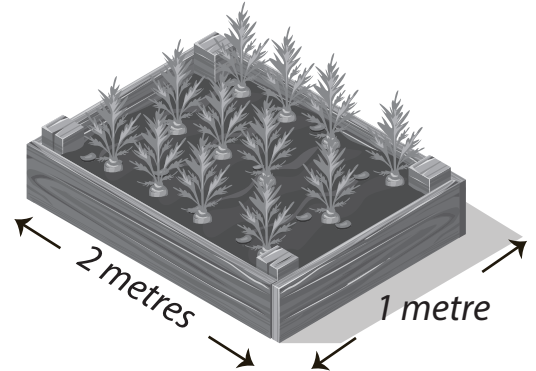1) The length of a piece of string is shown.

What is the length of each piece if the string is halved? _____

2) Jack completed six laps of a fifty-metre pool. How far did Jack swim? _____

3) The sides of this rectangular garden box are made using wood planks.
a) How many metres of wood are needed to make five identical garden boxes? _____
b) How many garden boxes can be made using fifty-four metres of wood? _____

4) A runner is three-quarters of the way around a 400-metre track. How far does the runner have to go to complete the lap? _____

5) Sam wants to cut a six-metre pipe into five equal lengths. How long will each length of pipe be? _____

6) Kim is 137 centimetres tall. Henry is 18 centimetres taller than Kim. Sarah is 22 centimetres shorter than Henry. How tall is Sarah? _____

7) On a 100-kilometre drive, a family is 20 kilometres past the halfway point. How far have they left to drive? _____

8) A builder has a six-metre-long plank of wood. How much must the builder remove if the plank needs to be four metres and twenty centimetres long? _____

9) A factory can produce 100 metres of cable per hour. How many hours will it take to make 1 kilometre of cable? _____

10) How many twenty-millimetre paper clips can be placed end to end along a thirty-centimetre ruler? _____

Problem solving using metric units of length