Test - Length, perimeter, mass and capacity

Year: Year 3 · Duration: 30 minutes · /20

Name:	Date:	**Mark: /20**

Question	1	2	3	4	5	Total
marks	4	4	4	4	4	**20**
Mark						

Show your working.

Question 1 (4 marks)

Question 1 – Convert

Complete each conversion.

a. 4 m 30 cm = __ cm (1 mark)
b. 3000 g = __ kg (1 mark)
c. 2 l 250 ml = __ ml (1 mark)
d. 600 cm = __ m (1 mark)

Question 2 (4 marks)

Question 2 – Perimeter

A rectangle is 14 cm long and 6 cm wide.



a. Work out its perimeter. Show your working. (2 marks)
b. A square has the same perimeter. How long is each side? (2 marks)

Question 3 (4 marks)

Question 3 – Mass and capacity

Answer each question.

a. A bag of flour has a mass of 1 kg. Ben uses 350 g. What mass is left? (1 mark)
b. A jug holds 2 l. Mia pours out 1 l 200 ml. How much is left? (1 mark)

c. Which unit would you use for a spoon of medicine: ml or l? (1 mark)
d. Which unit would you use for the mass of a pencil: g or kg? (1 mark)

Question 4 (4 marks)

Question 4 – Comparing measures

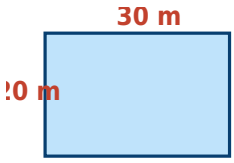
Here are three ropes: A is 1 m 20 cm, B is 95 cm and C is 1 m 5 cm.

a. Write all three lengths in centimetres. (2 marks)
b. Put the ropes in order, shortest first. (1 mark)
c. How much longer is A than B? (1 mark)

Question 5 (4 marks)

Question 5 – Problem: the school playground

The school playground is a rectangle 30 m long and 20 m wide. The caretaker puts a rope all round it. The rope costs £2 for every metre.



a. What is the perimeter of the playground? (2 marks)
b. How much does the rope cost? (1 mark)
c. The caretaker only has 80 m of rope. How much more does he need? (1 mark)