Measures (using decimal notation)

1) Christopher is measuring three pieces of wood and finds that their lengths [1]
are 1.16 m, 0.75 m and 1.2 m.

What length of wood does Christopher have altogether? ⬚ m

2) Summer is 1.08 m tall. Leon is 1.16 m tall.   [1]

How much shorter is Summer than Leon? ⬚ m

3) Daniel has a plank of wood that is 2.1 m long.   [1]

If he wants to cut it into 7 equal pieces, how long will each be?

Give your answer in centimetres. ⬚ cm
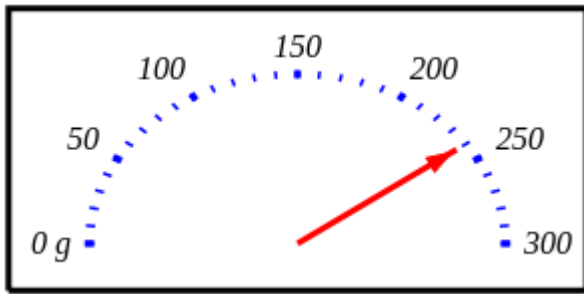
4) A vase can hold 2.2 litres of liquid.   [1]

How much liquid can 8 vases hold? ⬚ L

5) A sack of stones weighs 13.56 kg.   [1]

How much do 8 sacks weigh? ⬚ kg
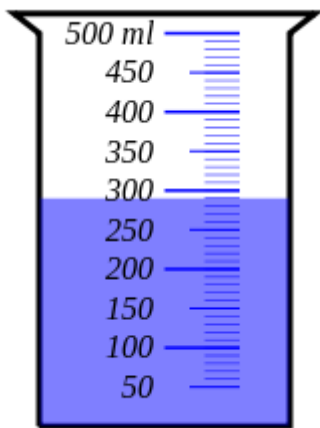
6) The weighing scales show the mass of an apple.   [1]

How much do 12 apples weigh? ☐ kg

7) The measuring beaker shows the amount of juice that Elliot squeezed from [1]
4 apples.

How much juice did Elliot squeeze from each apple on average? ☐ ml

8) Elisabeth buys 20 rulers. Each ruler costs 60p.   [1]

Work out the total cost.   £ ☐ and ☐ p

9) Two shops, Lidl and Aldi, both sell packs of crisps.   [1]

Lidl
packs of crisps
8 for £4.56

Aldi
packs of crisps
7 for £4.20

At which shop are the packs of crisps the best value for money?
Show all your working below.

10) Kayla buys 4 chicken burgers and 2 waters from the menu below.   [1]
Work out her total bill.

BURGERS
chicken - £1.40
cheese - £1.65
veggie - £1.75
pork - £1.30
beef - £1.55
fish - £1.15

DRINKS
milk - 70p
cola - 75p
water - 50p
tea - 90p
juice - 85p
coffee - 95p

£ ☐ and ☐ p

Solutions for the assessment YR5 NC40 - Measures (using decimal notation)

1) 3.11 m

2) 0.08 m

3) 30 cm

4) 17.6 L

5) 108.48 kg

6) 2.88 kg

7) 72.5 ml

8) £12 and 0p

9) 4.56 ×100 ÷ 8 = 57p
4.20 ×100 ÷ 7 = 60p
57 <60, so Lidl is cheaper

10) £6 and 60p