8.3 Geometry and Measures Depth: 10-minute Pack

NCETM National Curriculum (2014) Mathematics - KS2 Geometry and Measures (Depth) · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Priya measures the length of her pencil case using a ruler marked in centimetres and millimetres. The case starts at the 2 cm mark and ends at the 19.4 cm mark.

(a) What is the length of the pencil case, in centimetres? **(1)**

.....

(b) Convert your answer to part a into millimetres. **(1)**

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2 Convert between units of length.

(a) Convert 3.5 m to cm. **(1)**

(b) Convert 2400 mm to m. **(1)**

(c) Convert 0.75 km to m. **(1)**

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3 Two straight lines cross at a point, forming four angles. One of the four angles is 65 degrees.

(a) Write down the size of the angle vertically opposite the 65 degree angle, giving a reason. **(1)**

.....

(b) Work out the size of each of the other two angles. **(2)**

.....

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Mark scheme · 8.3 Geometry and Measures Depth: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

(a) 17.4 cm cao **B1**

(a) Answer: **17.4 cm**

(b) 174 mm cao (ft from part a) **B1**

(b) Answer: **174 mm**

Question 2

(a) 350 cm cao **B1**

(a) Answer: **350 cm**

(b) 2.4 m cao **B1**

(b) Answer: **2.4 m**

(c) 750 m cao **B1**

(c) Answer: **750 m**

Question 3

(a) 65 degrees, with reason that vertically opposite angles are equal **B1**

(a) Answer: **65 degrees**

(b) 180 - 65 seen or implied **M1**

(b) 115 degrees each cao **A1**

(b) Answer: **115 degrees each**

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