4.2 Decimals and Percentages: 10-minute Pack

NCETM KS2 National Curriculum Mathematics - NCETM Teaching for Mastery Framework · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Order these decimals from smallest to largest: 0.6, 0.56, 0.065, 0.605

(2)

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2 The number 4.678 is shown.

(a) Round 4.678 to 1 decimal place. **(1)**

(b) Round 4.678 to the nearest whole number. **(1)**

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3 Amara buys a pencil case for £3.45 and a notebook for £2.60. She pays with a £10 note. How much change does she get?

(2)

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4 A recipe for 4 people needs 0.35 kg of pasta. Nadia wants to make the recipe for 10 people. Work out how much pasta she needs, in kg.

(3)

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Mark scheme · 4.2 Decimals and Percentages: 10-minute Pack

Question 1

writes all four numbers to the same number of decimal places for comparison, e.g. 0.600, 0.560, 0.065, 0.605 oe	M1
0.065, 0.56, 0.6, 0.605 cao (all four in correct order)	A1

Answer: **0.065, 0.56, 0.6, 0.605**

Question 2

(a) 4.7 cao	B1

(a) Answer: **4.7**

(b) 5 cao	B1

(b) Answer: **5**

Question 3

3.45 + 2.60 = 6.05 (finds the total cost) oe	M1
£3.95 cao	A1

Answer: **£3.95**

Question 4

finds the scale factor 10 / 4 = 2.5, or the amount per person 0.35 / 4 = 0.0875 kg, oe	M1
multiplies to scale up to 10 people, ft	M1
0.875 kg oe cao (accept 875 g)	A1

Answer: **0.875 kg**

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