1.3 Problem Solving Skills Pack: 10-minute Pack

NATIONAL CURRICULUM KS2 National Curriculum Mathematics - Problem Solving Skills Framework · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Priya buys a sandwich for £2.35 and a bottle of juice for £1.20. She pays with a £5 note. Work out how much change she should receive.

(2)

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2 A school is organising a trip for 87 pupils to a science centre.

(a) A school is organising a trip for 87 pupils to a science centre. Entry to the science centre costs £6.50 per pupil. Work out the total cost of entry tickets for all 87 pupils. **(2)**

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(b) Coach hire for the trip costs £315 in total. Work out the total cost of the trip (coach hire plus entry tickets). **(2)**

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(c) The school has a budget of £900 for the trip. The school wants to spend any money left in the budget on a £0.75 bottle of water for every pupil. Explain, showing your working, whether the school has enough money left in the budget to buy every pupil a bottle of water. **(3)**

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Mark scheme · 1.3 Problem Solving Skills Pack: 10-minute Pack

Question 1

finds the total cost 2.35 + 1.20 = 3.55 oe	**M1**
£1.45 cao	**A1**

Answer: **£1.45**

Question 2

(a) 87 x 6.50 oe	**M1**
(a) £565.50 cao	**A1**

(a) Answer: **£565.50**

(b) 315 + 565.50, ft from part (a)	**M1**
(b) £880.50 cao	**A1**

(b) Answer: **£880.50**

(c) 900 - 880.50 = 19.50 (money remaining), ft from part (b)	**M1**
(c) 87 x 0.75 = 65.25 (cost of water for all pupils) oe	**M1**
(c) cso; correct conclusion that there is not enough money, since 19.50 is less than 65.25	**A1**

(c) Answer: **No; there is only £19.50 left in the budget, but bottles of water for all 87 pupils would cost £65.25.**

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