2.2 Four Operations (Worded): 10-minute Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A shop had 150 pencils in stock. It sold 87 pencils on Monday. How many pencils were left in stock after Monday?

(1)

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2 A baker has made 138 buns. He packs them into boxes that each hold 8 buns.

(a) How many full boxes can he fill? **(1)**

.....

(b) How many buns are left over once the full boxes are packed? **(1)**

.....

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3 A factory makes 1250 boxes of cereal each day.

(a) Work out how many boxes the factory makes in a 7-day week. **(2)**

.....

(b) The boxes made in one day are packed into crates that each hold 25 boxes. Work out how many crates are needed for one day's production. **(1)**

.....

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4 A school is organising a trip for 217 pupils. Each coach holds a maximum of 45 pupils.

(a) Work out the least number of coaches needed so that every pupil has a seat. **(2)**

.....

(b) How many empty seats will there be in total once all the coaches are booked? **(1)**

.....

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5 Aisha thinks of a number. She multiplies it by 6, then subtracts 15. Her result is 93. Calculate the number Aisha first thought of.

(3)

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Mark scheme · 2.2 Four Operations (Worded): 10-minute Pack

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

Question 1

63 cao	**B1**

Answer: 63 pencils

Question 2

(a) 17 cao	**B1**

(a) Answer: 17 boxes

(b) 2 ft from (a)	**B1**

(b) Answer: 2 buns

Question 3

(a) 1250 x 7 seen, or equivalent complete method	**M1**
(a) 8750 cao	**A1**

(a) Answer: 8750 boxes

(b) 50 cao	**B1**

(b) Answer: 50 crates

Question 4

(a) 217 / 45 (= 4.8...) seen	**M1**
(a) 5 cao (rounded up, not truncated)	**A1**

(a) Answer: 5 coaches

(b) 8 ft from (a)	**B1**

(b) Answer: 8 empty seats

Question 5

93 + 15 (= 108) as the correct first inverse step	**M1**
108 / 6, dependent on first M1	**M1**
18 cao	**A1**

Answer: 18

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