2.2-3 Four Operations and Worded Number: Practice Set 3: 30-minute Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 700 - 260.

- ☐ A) 340
- ☐ B) 420
- ☐ C) 440
- ☐ D) 460
- ☐ E) 540

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2 A crate holds 7 rows of apples, with 9 apples in each row. Work out the total number of apples in the crate.

(1)

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3 108 conkers are shared equally between 9 children. Work out how many conkers each child gets.

(1)

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4 Which number is 1000 more than 6,482?

- ☐ A) 6382
- ☐ B) 6582
- ☐ C) 7382
- ☐ D) 7482
- ☐ E) 7582

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5 Meena walks 3/4 of a mile to school and 3/4 of a mile home again, on every school day. Work out how far she walks to and from school over 5 school days, giving your answer in miles.

(2)

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6 A school orders 26 boxes of exercise books. Each box contains 15 books. Work out the total number of exercise books ordered.

(2)

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7 What is the remainder when 74 is divided by 9?

- ☐ A) 1
- ☐ B) 2
- ☐ C) 3
- ☐ D) 4
- ☐ E) 8

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8 Anika has £52. She spends £19 on a jacket and £15 on a pair of shoes. Work out how much money she has left.

(2)

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9 A sports hall has 19 rows of chairs. Each row has 24 chairs.

(a) Work out the total number of chairs in the sports hall. **(2)**

.....

(b) For an exam, 388 of the chairs are used. Work out how many chairs remain empty. **(1)**

.....

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10 Mrs Ahmed buys 6 packs of glue sticks costing £3.85 each. She pays with a £50 note. Work out how much change she receives.

(3)

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11 Which of these numbers is a multiple of both 6 and 8?

- ☐ A) 16
- ☐ B) 18
- ☐ C) 24
- ☐ D) 28
- ☐ E) 32

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12 A toy factory produces 1,376 toy cars in a day. The cars are first packed into boxes of 16.

(a) Work out how many boxes are needed to pack all the cars. **(2)**

.....

(b) The boxes are then packed into crates that each hold 5 boxes. Work out the least number of crates needed to pack all 86 boxes. **(2)**

.....

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13 Greenfield Academy sets out 34 equal rows of chairs in the school hall for a concert. There are 1,190 chairs in total.

(a) Work out how many chairs are in each row. **(2)**

.....

(b) Before the concert, 275 chairs are removed to make space for a stage. Work out how many chairs are left in the hall. **(2)**

.....

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14 Reuben cycles 9 km from home to his grandmother's house, then cycles the same 9 km home again. He makes this round trip 3 times during one week, and also cycles a separate one-way trip of 9 km to the shop. Work out the total distance Reuben cycles that week.

(3)

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15 The Beacon Hill Charity Shop raises money over three days. On Monday it takes £214. On Tuesday it takes £58 more than on Monday. On Wednesday it takes half as much as it took on Tuesday. Work out the total amount raised over the three days.

(3)

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Mark scheme · 2.2-3 Four Operations and Worded Number: Practice Set 3: 30-minute Pack

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

Question 1

C) 440, from 700 - 260 **B1**

Answer: C) 440

Question 2

63 cao **B1**

Answer: 63 apples

Question 3

12 cao **B1**

Answer: 12 conkers

Question 4

D) 7482, from 6482 + 1000 **B1**

Answer: D) 7482

Question 5

3/4 + 3/4 (= 3/2) as the distance walked in one day, or equivalent complete method **M1**

7.5 miles oe (7 1/2, 15/2) cao **A1**

Answer: 7.5 miles (7 1/2 miles)

Question 6

26 x 15 seen, or equivalent complete method **M1**

390 cao **A1**

Answer: 390 exercise books

Question 7

B) 2, from 74 = 9 x 8 + 2 **B1**

Answer: B) 2

Question 8

19 + 15 (= 34) seen, or equivalent complete method **M1**

£18 cao **A1**

Answer: £18

Question 9

(a) 19 x 24 seen, or equivalent complete method **M1**

(a) 456 cao **A1**

(a) Answer: 456 chairs

(b) 68 ft from (a) **B1**

(b) Answer: 68 chairs

Question 10

6 x 3.85 (= 23.10) seen, or equivalent complete method **M1**

50 - 23.10, dependent on the first M1 **dM1**

£26.90 cao **A1**

Answer: £26.90

Question 11

C) 24 cao **B1**

Answer: C) 24

Question 12

(a) 1376 / 16 seen, or equivalent complete method **M1**

(a) 86 cao **A1**

(a) Answer: 86 boxes

(b) 86 / 5 (= 17.2) seen, ft from (a) **M1**

(b) 18 cao (rounded up, not truncated) **A1**

(b) Answer: 18 crates

Question 13

(a) 1190 / 34 seen, or equivalent complete method **M1**

(a) 35 cao **A1**

(a) Answer: 35 chairs per row

(b) 1190 - 275 set up, or equivalent complete method **M1**

(b) 915 cao **A1**

(b) Answer: 915 chairs

Question 14

9 x 2 (= 18) as the distance of one return trip, or equivalent complete method **M1**

18 x 3, dependent on the first M1 **dM1**

63 km cao **A1**

Answer: 63 km

Question 15

214 + 58 (= 272) for Tuesday's total, or equivalent complete method **M1**

272 / 2 (= 136) for Wednesday's total, dependent on the first M1 **dM1**

£622 cao **A1**

Answer: £622

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