7.7 Money and Time Problems: 30-minute Pack

Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Hassan buys 3 puzzles at £2.53 each, 1 kite at 73p each and 1 balloon at £3.41 each. Hassan pays with £15.

How much change does Hassan get?

Answer: £___

(3)

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2 Part of a train timetable is shown.

Dunmere: 12:50
Eastleigh: 13:17
Ashby: 13:45
Carlow: 14:06

How many minutes does the train take to travel from Dunmere to Carlow?

Answer: ___ minutes

(1)

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3 Part of a train timetable is shown.

Bridgton: 14:40
Ashby: 14:58
Grange: 15:24
Fenwick: 15:34

How many minutes does the train take to travel from Ashby to Grange?

Answer: ___ minutes

(2)

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4 A film starts at 07:07 and ends at 11:58.

How many minutes does it take?

Answer: ___ minutes

(2)

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5 Gift bags cost £7.08 each. Hana buys 9 and pays with £80.

How much change does Hana get?

Answer: £___

(2)

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6 A banana costs £13.21 and a juice costs £18.24.

What is the total cost of the two items?

Answer: £___

(2)

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7 Ella buys 5 kites at 39p each, 2 puzzles at £3.03 each and 1 scarf at £1.31 each. Ella pays with £10.

How much change does Ella get?

Answer: £___

(3)

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8 This is a clock. The hour hand is between 5 and 6. The minute hand is 1 small mark past the 9.

What time does the clock show? Write your answer as a digital time.

Answer: ___

(1)

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9 An ice cream van is open from 11:30 to 17:15. How many hours and minutes is the van open each day?

(2)

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10 A charity collects donations of £2 coins, £5 notes and £10 notes. They collected eight £2 coins and five £5 notes. How much more money is needed to reach £50 if there are no other donations?

(2)

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11 Explain your answer: Zoe says that if a snack costs £0.75, then buying 4 snacks will cost less than £3.00 because 0.75 x 4 = 3.00 so it must be less. Is Zoe correct? Explain your answer.

(3)

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12 Write 2:25 am as a 24-hour clock time.

Answer: ___

(1)

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13 2 hours 15 minutes is how many minutes?

Answer: ___ minutes

(1)

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Mark scheme · 7.7 Money and Time Problems: 30-minute Pack

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

Question 1

7.59 seen	M1
total 11.73 seen	M1
£3.27 cao	A1

Answer: **£3.27**

Question 2

76 minutes cao	B1

Answer: **76 minutes**

Question 3

finds the difference between the two times (counting on or subtracting)	M1
26 minutes cao	A1

Answer: **26 minutes**

Question 4

counts on to the next hour or minutes calculation	M1
291 minutes cao	A1

Answer: **291 minutes**

Question 5

7.08 x 9 = 63.72 seen	M1
£16.28 cao	A1

Answer: **£16.28**

Question 6

addition of pounds and pence	M1
£31.45 cao	A1

Answer: **£31.45**

Question 7

1.95 seen	M1
total 9.32 seen	M1
£0.68 cao	A1

Answer: **£0.68**

Question 8

5:46 cao	B1

Answer: **5:46**

Question 9

subtract times: 17:15 - 11:30 = 5 hours 45 minutes shown	M1
5 hours 45 minutes cao	A1

Answer: **5 hours 45 minutes**

Question 10

value of coins calculated: 8 x 2 = 16 and 5 x 5 = 25, total 41	M1
£9 cao	A1

Answer: **£9**

Question 11

identifies product 0.75 x 4 = 3.00 or shows calculation	M1
states Zoe is not correct or correct with reason (zoe is incorrect because 0.75 x 4 = 3.00 so it costs exactly £3.00) oe	B1
correct explanation that 0.75 x 4 = 3.00, so cost is equal to £3.00, not less than £3.00	B1

Answer: **Zoe is incorrect. 0.75 x 4 = 3.00 so four snacks cost exactly £3.00, not less.**

Question 12

02:25 cao	B1

Answer: **02:25**

Question 13

135 minutes cao	B1

Answer: **135 minutes**

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