7.7 Money and Time Problems: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A film starts at 15:54 and ends at 21:20.

How many minutes does it take?

Answer: ___ minutes

(2)

---

2 Part of a train timetable is shown.

Eastleigh: 10:25
Hollin: 10:57
Bridgton: 11:21
Grange: 11:52

Noah arrives at Hollin station at 10:53.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

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3 Ravi buys 1 comic at £3.51 each and 3 magnets at 83p each. Ravi pays with £10.

How much change does Ravi get?

Answer: £___

(2)

---

4 Write 22:50 using am or pm.

Answer: ___

(1)

---

5 A cinema ticket costs £4.75. Two children and one adult go to the cinema. The adult gets a free ticket. How much do the two children pay altogether?

(2)

---

6 Part of a train timetable is shown.

Hollin: 13:30
Ashby: 14:01
Bridgton: 14:13
Carlow: 14:40

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

Answer: ___ minutes

(2)

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7 A train leaves at 11:15 and takes 4 hours 56 minutes.

What time does it finish? Write your answer as a 24-hour clock time.

Answer: ___

(2)

---

8 Zara buys 5 sandwiches at £3.37 each, 4 comics at £2.81 each and 2 puzzles at £3.80 each. Zara pays with £40.

How much change does Zara get?

Answer: £___

(3)

---

9 This is a clock. The hour hand is between 1 and 2. The minute hand points exactly to 9.

What time does the clock show? Write your answer in words, using past or to.

Answer: ___

(1)

---

10 A lesson finishes at 16:35 after taking 2 hours 41 minutes.

What time did it start? Write your answer as a 24-hour clock time.

Answer: ___

(2)

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11 A train leaves at 11:19 and takes 4 hours 12 minutes.

What time does it finish? Write your answer as a 24-hour clock time.

Answer: ___

(2)

---

12 A coach leaves at 12:52 and arrives at 14:09.

How many minutes does it take?

Answer: ___ minutes

(1)

---

13 Part of a train timetable is shown.

Bridgton: 14:05
Carlow: 14:17
Hollin: 14:28
Ashby: 14:59

Victor arrives at Bridgton station at 13:54.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

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14 Liam has £10. He buys a sandwich for £2.65 and a drink for £1.20. How much change does he get?

(2)

---

15 The 1st of the month is a Friday.

What day of the week is the 12th?

Answer: ___

(2)

---

16 The 1st of the month is a Friday.

What day of the week is the 18th?

Answer: ___

(2)

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17 Part of a train timetable is shown.

Fenwick: 12:35
Grange: 12:59
Hollin: 13:38
Bridgton: 14:06

Hassan arrives at Grange station at 12:43.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

---

18 Toys cost £8.62 each. Ivan buys 5.

How much does Ivan pay?

Answer: £___

(2)

---

19 A keyring costs £18.60 and a banana costs £9.60. Ravi pays with a £30 note.

How much change does Ravi get?

Answer: £___

(2)

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20 Toys cost £3.25 each. Nia buys 8 and pays with £40.

How much change does Nia get?

Answer: £___

(2)

---

21 The 1st of the month is a Friday.

What day of the week is the 19th?

Answer: ___

(2)

---

22 Plants cost £6.18 each. Reece buys 7.

How much does Reece pay?

Answer: £___

(1)

---

23 Gift bags cost £8.88 each. Isla buys 11.

How much does Isla pay?

Answer: £___

(2)

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24 The 1st of the month is a Wednesday.

What day of the week is the 14th?

Answer: ___

(2)

---

25 Jack buys 4 magnets at £1.37 each, 5 notebooks at £3.08 each and 4 sandwiches at £3.28 each. Jack pays with £35.

How much change does Jack get?

Answer: £___

(3)

---

26 Part of a train timetable is shown.

Grange: 07:15
Hollin: 07:33
Fenwick: 07:51
Eastleigh: 08:25

How many minutes does the train take to travel from Hollin to Eastleigh?

Answer: ___ minutes

(2)

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27 This is a clock. The hour hand is between 12 and 1. The minute hand is 4 small marks past the 5.

What time does the clock show? Write your answer in words, using past or to.

Answer: ___

(2)

28 George buys 3 comics at £2.86 each, 2 balloons at £2.54 each and 2 lollies at £2.54 each. George pays with £20.

How much change does George get?

Answer: £___

(3)

29 A school trip starts on 25 May and finishes on 29 May.

How many days is it from the start date to the finish date?

Answer: ___ days

(1)

30 A bus journey takes 35 minutes. A train journey takes 1 hour and 20 minutes. How much longer is the train journey than the bus journey? Give your answer in minutes.

(2)

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31 Part of a train timetable is shown.

Hollin: 14:30
Fenwick: 14:49
Grange: 15:01
Dunmere: 15:41

Mia arrives at Hollin station at 14:08.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

---

32 A school trip starts on 14 June and finishes on 18 June.

How many days is it from the start date to the finish date?

Answer: ___ days

(1)

---

33 A biscuit costs £7.80 and a lolly costs £14.03. George pays with a £25 note.

How much change does George get?

Answer: £___

(2)

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34 A lesson starts at 15:08 and ends at 16:07.

How many minutes does it take?

Answer: ___ minutes

(2)

---

35 Part of a train timetable is shown.

Grange: 08:55
Bridgton: 09:34
Hollin: 10:08
Fenwick: 10:32

Kiran arrives at Bridgton station at 09:25.

How many minutes must they wait for the train?

Answer: ___ minutes

(2)

---

36 How many minutes are there in 9 hours and 45 minutes?

Answer: ___

(1)

---

37 How many days are there in February and March together? (Use 28 days for February.)

Answer: ___ days

(1)

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38 Part of a train timetable is shown.

Fenwick: 09:05
Hollin: 09:36
Grange: 10:11
Dunmere: 10:49

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

Answer: ___ minutes

(1)

---

39 The film starts at 14:15 and lasts for 1 hour 45 minutes. At what time does the film finish? Give your answer in 24-hour format.

(2)

---

40 A sticker costs £13.49 and a cake costs £12.64.

How much more does the dearer item cost?

Answer: £___

(2)

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41 Daisy buys 1 kite at £3.85 each, 4 scarves at 70p each and 3 balloons at £1.97 each. Daisy pays with £15.

How much change does Daisy get?

Answer: £___

(3)

---

42 A sticker costs £8.03 and a toy car costs £8.52.

How much more does the dearer item cost?

Answer: £___

(1)

---

43 Part of a train timetable is shown.

Carlow: 06:10
Fenwick: 06:44
Bridgton: 07:11
Hollin: 07:32

How many minutes does the train take to travel from Fenwick to Hollin?

Answer: ___ minutes

(2)

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44 Part of a train timetable is shown.

Carlow: 10:25
Fenwick: 10:35
Bridgton: 10:46
Dunmere: 11:18

How many minutes does the train take to travel from Fenwick to Bridgton?

Answer: ___ minutes

(2)

---

45 A juice costs £1.55 and a sticker costs £15.10.

How much more does the dearer item cost?

Answer: £___

(2)

---

46 How many minutes are there in 5 hours and 30 minutes?

Answer: ___

(1)

---

47 A lolly costs £13.20 and a kite costs £7.13. Ethan pays with a £25 note.

How much change does Ethan get?

Answer: £___

(2)

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48 A bun costs £5.42 and a pen costs £5.95.

How much more does the dearer item cost?

Answer: £___

(1)

---

49 A lesson starts at 14:39 and ends at 18:15.

How many minutes does it take?

Answer: ___ minutes

(2)

---

50 Part of a train timetable is shown.

Hollin: 13:25
Ashby: 13:55
Eastleigh: 14:33
Fenwick: 15:04

How many minutes does the train take to travel from Hollin to Fenwick?

Answer: ___ minutes

(2)

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51 A train leaves at 08:40 and arrives at 14:07.

How many minutes does it take?

Answer: ___ minutes

(1)

---

52 How many minutes are there in 9 hours and 30 minutes?

Answer: ___

(1)

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Mark scheme · 7.7 Money and Time Problems: 2-hour Pack

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

Question 1

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

Answer: **326 minutes**

Question 2

finds the wait between arriving and the departure time (counting on or subtracting)	M1
4 minutes cao	A1

Answer: **4 minutes**

Question 3

3.51 seen	M1
£4 cao	A1

Answer: **£4**

Question 4

10:50 pm cao	B1

Answer: **10:50 pm**

Question 5

multiplication 4.75 x 2 or addition 4.75 + 4.75 shown	M1
£9.50 cao	A1

Answer: **£9.50**

Question 6

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

Answer: **27 minutes**

Question 7

adds hours then minutes	M1
16:11 cao	A1

Answer: **16:11**

Question 8

16.85 seen	M1
total 35.69 seen	M1
£4.31 cao	A1

Answer: **£4.31**

Question 9

quarter to 2 cao	B1

Answer: **quarter to 2**

Question 10

subtracts hours then minutes	M1
13:54 cao	A1

Answer: **13:54**

Question 11

adds hours then minutes	M1
15:31 cao	A1

Answer: **15:31**

Question 12

77 minutes cao	B1

Answer: **77 minutes**

Question 13

finds the wait between arriving and the departure time (counting on or subtracting)	M1
11 minutes cao	A1

Answer: **11 minutes**

Question 14

correct total cost found, e.g. 2.65 + 1.20 = 3.85	M1
£6.15 cao	A1

Answer: **£6.15**

Question 15

counts in 7s	M1
Tuesday cao	A1

Answer: **Tuesday**

Question 16

counts in 7s	M1
Monday cao	A1

Answer: **Monday**

Question 17

finds the wait between arriving and the departure time (counting on or subtracting)	M1
16 minutes cao	A1

Answer: **16 minutes**

Question 18

8.62 x 5 method seen	M1
£43.10 cao	A1

Answer: **£43.10**

Question 19

28.20 seen	M1
£1.80 cao	A1

Answer: **£1.80**

Question 20

3.25 x 8 = 26.00 seen	M1
£14 cao	A1

Answer: **£14**

Question 21

counts in 7s	M1
Tuesday cao	A1

Answer: **Tuesday**

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Question 22

£43.26 cao — **B1**

Answer: **£43.26**

Question 23

8.88 x 11 method seen — **M1**

£97.68 cao — **A1**

Answer: **£97.68**

Question 24

counts in 7s — **M1**

Tuesday cao — **A1**

Answer: **Tuesday**

Question 25

5.48 seen — **M1**

total 34.00 seen — **M1**

£1 cao — **A1**

Answer: **£1**

Question 26

finds the difference between the two times (counting on or subtracting) — **M1**

52 minutes cao — **A1**

Answer: **52 minutes**

Question 27

hour read correctly — **M1**

29 minutes past 12 cao — **A1**

Answer: **29 minutes past 12**

Question 28

8.58 seen — **M1**

total 18.74 seen — **M1**

£1.26 cao — **A1**

Answer: **£1.26**

Question 29

4 days cao — **B1**

Answer: **4 days**

Question 30

convert 1 hour 20 minutes to 80 minutes and subtract 35 — **M1**

45 minutes cao — **A1**

Answer: **45 minutes**

Question 31

finds the wait between arriving and the departure time (counting on or subtracting) — **M1**

22 minutes cao — **A1**

Answer: **22 minutes**

Question 32

4 days cao — **B1**

Answer: **4 days**

Question 33

21.83 seen — **M1**

£3.17 cao — **A1**

Answer: **£3.17**

Question 34

counts on to the next hour or minutes calculation — **M1**

59 minutes cao — **A1**

Answer: **59 minutes**

Question 35

finds the wait between arriving and the departure time (counting on or subtracting) — **M1**

9 minutes cao — **A1**

Answer: **9 minutes**

Question 36

585 cao — **B1**

Answer: **585**

Question 37

59 days cao — **B1**

Answer: **59 days**

Question 38

73 minutes cao — **B1**

Answer: **73 minutes**

Question 39

add 1 hour 45 minutes to 14:15, showing intermediate step 14:15 + 1 hour = 15:15, then + 45 minutes — **M1**

16:00 cao — **A1**

Answer: **16:00**

Question 40

subtraction method — **M1**

£0.85 cao — **A1**

Answer: **£0.85**

Question 41

3.85 seen — **M1**

total 12.56 seen — **M1**

£2.44 cao — **A1**

Answer: **£2.44**

Question 42

£0.49 cao — **B1**

Answer: **£0.49**

Question 43

finds the difference between the two times (counting on or subtracting) — **M1**

48 minutes cao — **A1**

Answer: **48 minutes**

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Question 44

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

Answer: **11 minutes**

Question 45

subtraction method	M1
£13.55 cao	A1

Answer: **£13.55**

Question 46

330 cao	B1

Answer: **330**

Question 47

20.33 seen	M1
£4.67 cao	A1

Answer: **£4.67**

Question 48

£0.53 cao	B1

Answer: **£0.53**

Question 49

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

Answer: **216 minutes**

Question 50

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

Answer: **99 minutes**

Question 51

327 minutes cao	B1

Answer: **327 minutes**

Question 52

570 cao	B1

Answer: **570**

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