



KS2.M-Y4M3 Money and Time Problems

Calculators not allowed · about 45 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1** Write the amount in words: £3.50

(1)

- 2** Sam buys a notebook for £2.40 and a pencil case for £1.85. How much does he spend in total?

(2)

- 3** A packet of stickers costs £1.20. How many packets can Priya buy with £6.00? Show how you work out your answer.

(2)

- 4** 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)

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

(2)

-
- 6** A toy costs £8.90. There is a sale of 10% off the toy. How much will the toy cost after the discount? Give your answer in pounds and pence.

(2)

-
- 7** 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)

-
- 8** 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)

-
- 9** Maria spends £3.40 on fruit and twice as much on vegetables. How much does she spend altogether?

(2)

- 10** Connor pays for 3 identical sandwiches and a drink. The total is £8.25. Each sandwich costs £2.30. How much does the drink cost?

(2)

- 11** A car journey is 2 hours 40 minutes. A rest stop of 20 minutes is taken. How long from start to finish including the stop? Give your answer in hours and minutes.

(2)

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

(2)

- 13** 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)

- 14** Ellie reads for 25 minutes each day. How many minutes does she read in a week (7 days)?

(2)

- 15** A bakery sells buns in a pack for £3.60. If Maya buys 4 packs, how much does she pay?

(2)

16 Fill in the blank: 90 minutes = ____ hours and minutes.

(1)

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

(3)

18 Explain your answer: A school assembly starts at 09:05 and lasts 35 minutes. Some children say the assembly ends at 9:40. Is this correct? Explain how you know.

(3)

Mark scheme • KS2.M-Y4M3 Money and Time Problems

Question 1

- **B1** three pounds and fifty pence cao
- Answer: **three pounds and fifty pence**

Question 2

- **M1** correct addition of amounts, e.g. $2.40 + 1.85$ seen
- **A1** £4.25 cao
- Answer: **£4.25**

Question 3

- **M1** division $6.00 / 1.20$ or repeated subtraction shown
- **A1** 5 cao
- Answer: **5**

Question 4

- **M1** multiplication 4.75×2 or addition $4.75 + 4.75$ shown
- **A1** £9.50 cao
- Answer: **£9.50**

Question 5

- **M1** correct total cost found, e.g. $2.65 + 1.20 = 3.85$
- **A1** £6.15 cao
- Answer: **£6.15**

Question 6

- **M1** 10% of 8.90 calculated or 8.90×0.10 seen (0.89)
- **A1** £8.01 cao
- Answer: **£8.01**

Question 7

- **M1** convert 1 hour 20 minutes to 80 minutes and subtract 35
- **A1** 45 minutes cao
- Answer: **45 minutes**

Question 8

- **M1** add 1 hour 45 minutes to 14:15, showing intermediate step $14:15 + 1 \text{ hour} = 15:15$, then $+ 45 \text{ minutes}$
- **A1** 16:00 cao
- Answer: **16:00**

Question 9

- **M1** calculate twice $3.40 = 6.80$ and add $3.40 + 6.80$
- **A1** £10.20 cao
- Answer: **£10.20**

Question 10

- **M1** total cost of sandwiches found: $3 \times 2.30 = 6.90$
- **A1** £1.35 cao
- Answer: **£1.35**

Question 11

- **M1** add 2:40 and 0:20 to get 3:00
- **A1** 3 hours 0 minutes cao
- Answer: **3 hours 0 minutes**

Question 12

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

Question 13

- **M1** value of coins calculated: $8 \times 2 = 16$ and $5 \times 5 = 25$, total 41
- **A1** £9 cao
- Answer: **£9**

Question 14

- **M1** multiplication 25×7 seen
- **A1** 175 minutes cao
- Answer: **175 minutes**

Question 15

- **M1** multiplication 3.60×4 or 3.6×4 shown
- **A1** £14.40 cao
- Answer: **£14.40**

Question 16

- **B1** 1 hour 30 minutes cao
- Answer: **1 hour 30 minutes**

Question 17

- **M1** identifies product $0.75 \times 4 = 3.00$ or shows calculation
- **B1** states Zoe is not correct or correct with reason (zoe is incorrect because $0.75 \times 4 = 3.00$ so it costs exactly £3.00) or
- **B1** correct explanation that $0.75 \times 4 = 3.00$, so cost is equal to £3.00, not less than £3.00
- Answer: **Zoe is incorrect. $0.75 \times 4 = 3.00$ so four snacks cost exactly £3.00, not less.**

Question 18

- **M1** adds 35 minutes to 09:05 showing $09:05 + 0:35$ or converts and adds to get 9:40
- **B1** states the assembly ends at 9:40 cao
- **B1** gives a correct explanation, e.g. $09:05 + 35$ minutes = 09:40 or $5 + 35 = 40$ minutes so time is 09:40
- Answer: **Yes. 09:05 plus 35 minutes is 09:40, because 5 minutes + 35 minutes = 40 minutes.**