Day 3 Answers

Task 1	Task 2	Task 3	Task 4

Task 1 — Developing task

1. 4:00 am, 6:00 am, 12 midnight
2. 8:00 am, 10:00 pm
3. 12 noon, 6:00 pm
4. 10:00 am, 8:00 pm,
5. 2:00 pm
6. about 1:00 pm, 4:00 pm
7. 2:00 pm
8. 4:00 am, 6:00 am, 12 midnight
9. 11:00 am, 7:00 pm

Practice

1. 12·5 km
2. 20 km
3. 31 km
4. about 09:40
5. 16:00
6. about 17:40
7. 12:00 for 2 hours
8. about 3 h 20 m
9. 14:00 and 15:00
10. 21:00 and 22:00

Task 2 — Arithmetic

22. 3.2 [1]

23. 4 [1]

24. 56 [1]

25. 5 [1]

26. For 2 marks: [2]

235 r5 or $235\frac{5}{42}$ or 235.1(19...)

For 1 mark: 235 or evidence of either a long division method or short division method with only one error (carry figures must be seen in a short division method)

27. $\frac{7}{12}$ [1]

28. $\frac{1}{9}$ [1]

Task 3 — Problem Solving

Task 1

(a) 7

Do not accept −7 or 7−

(b) −2

Do not accept 2−

Task 2

(a) 1974 OR 1975 OR 1976

(b) A whole number answer in the range 130 000 to 180 000 **inclusive**.

(c) A whole number answer in the range 510 000 to 550 000 **exclusive**.
Do not accept 510 000 OR 550 000

Task 3

Gives a correct description that indicates the delivery cost is constant, eg:

- The delivery cost is always £5

- The cost is always £5 no matter how much the toy costs

- Delivery stays the same as the cost of toy increases
  Accept minimally acceptable explanation, eg:
  - It is £5
  Accept omission of the actual delivery cost, eg:
  - It always costs the same
  - The cost is the same
  - The cost of the toy does not affect the delivery cost
  ! *Condone correct response with the pound sign omitted, eg:*
  - It is always 5
  ! *Condone explanations which refer to toys costing up to £20*
  Do not accept incomplete or ambiguous explanation, eg:
  - They are equal amounts

Task 4 — Reasoning

Task 1

a) On the 9th July a more accurate measurement would be 7.5 cm.

b) Correct.

c) On the 31st the plant was approximately 28 cm tall, but on the 13th it was only 10 cm which is not half of 28 cm. The plant was closer to 14 cm on the 17th July.

Task 2

Possible context for each story:
a) A car speeding up, travelling at a constant speed, then slowing down.
b) The height above sea level a person is at during a walk.
c) Temperature in an oven when you are cooking something.

Task 3

Children may find that the second line graph is easier to draw and interpret as it matches the data given directly.

They may discuss that it would be difficult to draw a line graph showing half hour intervals, as we cannot be sure the distance travelled at each half hour.

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Task 4

(a) Accept answers in the range 22.2 to 22.8 exclusive.
Do not accept 22.2 or 22.8

(b) Accept answers in the range 2:48pm to 2:52pm inclusive.
The answer is a specific time.

(c) 5

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