

Section 7 — Statistics

Pages 158-159: Line Graphs — 1

Set A

1. 80 mph
2. false
3. 40 mph
4. 1 pm
5. 8 °C
6. true
7. 18 °C
8. 200
9. 28
10. 150 m
11. 750 m

Set B

1. 6 am
2. 3 hours
3. true
4. false
5. true
6. 1500 m
7. 750 m
8. 3250 m

Set C

1. 10 cm
2. true
3. sunflower 2
4. 26 cm
5. 1200 litres
6. Wednesday
7. 1950 litres
8. 2100 litres

Pages 162-163: Tables

Set A

1. Mavis
2. 9
3. 2
- 4.

| Time | Volume (litres) |
|-----------|-----------------|
| 1 minute | 84 |
| 2 minutes | 77 |
| 3 minutes | 70 |
| 4 minutes | 63 |

- 5.

| Time | Volume (litres) |
|-----------|-----------------|
| 2 minutes | 117 |
| 4 minutes | 108 |
| 6 minutes | 99 |
| 8 minutes | 90 |

- 6.

| | Giulia | Leo | Ajay | Greta |
|--|-----------|-----------|-----------|-----------|
| | 3 | 4 | 6 | 1 |
| | 6 | 1 | 5 | 4 |
| | 2 | 6 | 3 | 5 |
| | 11 | 11 | 14 | 10 |

7. 6

Set B

1. hamster
2. rabbit
3. guinea pig
4. 8
- 5.

| Fruit | Number in each crate |
|------------|----------------------|
| Melon | 38 |
| Lychee | 145 |
| Mango | 107 |
| Pineapple | 73 |
| Kiwi fruit | 113 |

Set C

- 1.

| | Monday | Wednesday | Friday |
|---------|--------|-----------|--------|
| Chicken | 6 | 25 | 32 |
| Egg | 13 | 17 | 21 |
| Tuna | 28 | 9 | 23 |
| Cheese | 14 | 12 | 11 |

2. chicken
3. 211
- 4.

| | Ocean Encounters Aquarium | Jungle Perils Safari Park |
|--------|---------------------------|---------------------------|
| Adult | £6.25 | £10.50 |
| Child | £3.25 | £7 |
| Family | £12.50 | £28 |

5. 3 adult tickets at Jungle Perils

Pages 160-161: Line Graphs — 2

Set A

1. 25 cm
2. 4
3. true
4. true
5. false
6. 2
7. 2
8. 12
9. 7
10. 13

Set B

1. 750
2. 15
3. 250 seconds
4. 4 cm
5. false
6. 4
7. 2013
8. 19 cm

Set C

1. 20 °C
2. 20 °C
3. 50 °C
4. 12 m
5. 10 and 17 seconds
24 and 30 seconds
6. 44 m
7. Statement 1: Arnie is correct. The kite was above 20 m between 2 and 8 seconds (for 6 seconds), 14 and 20 seconds (for 6 seconds) and 28 and 30 seconds (for 2 seconds). That's a total of $6 + 6 + 2 = 14$ seconds.
Statement 2: Arnie is not correct. The kite was above 16 m at 5 seconds, but dropped to 14 m after 10 seconds.