# Answers and mark guide

| Q | Answer | Working | Marks |
|---|---|---|---|
| 1 | **5** | 15/360 × 120 | 2 |
| 2 | **4** | 24/360 × 60 | 2 |
| 3 | **15** | 60/360 × 90 | 2 |
| 4 | **8** | 48/360 × 60 | 2 |
| 5 | **3** | 12/360 × 90 | 2 |
| 6 | **176°** | 360 − 184 | 3 |
| 7 | **192°** | 360 − 168 | 3 |
| 8 | **288°** | 360 − 72 | 3 |
| 9 | **264°** | 360 − 96 | 3 |
| 10 | **264°** | 360 − 96 | 3 |
| 11 | **36** | 216/360 × 60 | 3 |
| 12 | **71** | 213/360 × 120 | 3 |
| 13 | **44** | 220/360 × 72 | 3 |
| 14 | **121** | 242/360 × 180 | 3 |
| 15 | **56** | 224/360 × 90 | 3 |
| 16 | **7/36; 2 more** | Dog: 70/360 = 7/36; Dog 7, Fish 5 | 4 |
| 17 | **1/6; 2 more** | Dog: 60/360 = 1/6; Dog 15, Fish 13 | 4 |
| 18 | **1/30; 8 fewer** | Dog: 12/360 = 1/30; Dog 6, Fish 14 | 4 |
| 19 | **7/45; 4 more** | Dog: 56/360 = 7/45; Dog 7, Fish 3 | 4 |
| 20 | **2/15; 3 more** | Dog: 48/360 = 2/15; Dog 8, Fish 5 | 4 |

**My score: _____ / 60** Questions 1–15 = 40 marks (Foundation focus)