# Ratio & Proportion: Medium Practice Paper 5 Answers

| Q# | Answer | Explanation |
|---|---|---|
| 1 | E | There are 1 + 3 + 4 = 8 parts, so one part is 96 ÷ 8 = 12 counters. The largest share is 4 parts, which is 4 × 12 = 48. |
| 2 | D | The difference is 8 − 3 = 5 parts, so 5 parts = 35 and one part = 7. B is 8 parts, which is 8 × 7 = 56. |
| 3 | C | One kilogram costs £48 ÷ 6 = £8, so 2.5 kg costs 2.5 × £8 = £20. |
| 4 | C | Each person needs 720 ÷ 9 = 80 g, so 4 people need 4 × 80 = 320 g. |
| 5 | D | There are 2 + 5 = 7 parts, so one part is 63 ÷ 7 = 9 cars. The blue cars are 5 parts, which is 5 × 9 = 45. |
| 6 | C | Each centimetre stands for 2.5 km, so 6 cm stands for 6 × 2.5 = 15 km. |
| 7 | B | The job takes 8 × 15 = 120 worker-days, so 10 workers take 120 ÷ 10 = 12 days. |
| 8 | C | Three single bottles cost 3 × £1.80 = £5.40, so the saving is £5.40 − £5.00 = 40p. |
| 9 | D | The smaller share is 5 parts, so one part is £45 ÷ 5 = £9. The total is 12 parts, which is 12 × £9 = £108. |
| 10 | D | Half the perimeter is 36 cm and equals 2 + 7 = 9 parts, so one part is 36 ÷ 9 = 4 cm. The longer side is 7 × 4 = 28 cm. |
| 11 | D | Each piece uses 150 ÷ 12 = 12.5 g of butter, so 30 pieces use 30 × 12.5 = 375 g. |
| 12 | C | The speed is 36 ÷ 1.5 = 24 km per hour, so 60 km takes 60 ÷ 24 = 2.5 hours, which is 2 hours 30 minutes. |
| 13 | B | There are 3 + 5 = 8 parts, so one part is 400 ÷ 8 = 50 ml. The difference is 5 − 3 = 2 parts, which is 2 × 50 = 100 ml. |
| 14 | B | The job takes 3 × 40 = 120 pump-minutes, so five pumps take 120 ÷ 5 = 24 minutes. |

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| 15 | C | 2 litres is 2000 ml and there are 3 + 2 + 5 = 10 parts, so one part is 2000 ÷ 10 = 200 ml. The mango is 2 parts, which is 2 × 200 = 400 ml. |

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