One-/two-digit multipliers

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

1. Calculate 62 × 4. [1 mark]

60 × 4 = 240 and 2 × 4 = 8; add them.

Answer: 248.

2. Calculate 35 × 7. [1 mark]

30 × 7 = 210 and 5 × 7 = 35.

Answer: 245.

3. Calculate 42 × 16 using tens and ones. [2 marks]

42 × 10 = 420; 42 × 6 = 252.

420 + 252 = 672.

Answer: 672.

4. A theatre has 24 rows with 15 seats in each row. How many seats are there? [2 marks]

24 × 10 = 240 and 24 × 5 = 120.

240 + 120 = 360.

Answer: 360 seats.

5. Use doubling and halving to calculate 25 × 24. [2 marks]

Double twenty-five to fifty and halve twenty-four to twelve.

50 × 12 = 600.

Answer: 600.

6. Kai calculates 31 × 12 as 31 + 62 = 93. Explain the error and correct the answer. [3 marks]

Twelve means ten plus two.

31 × 10 + 31 × 2 = 310 + 62 = 372.

Answer: The tens contribution should be 310, so the answer is 372.