Larger calculations

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. Find 34 × 3. [1 mark]

30 × 3 = 90; 4 × 3 = 12.

90 + 12 = 102.

Answer: 102.

2. Find 46 × 5. [1 mark]

40 × 5 = 200; 6 × 5 = 30.

200 + 30 = 230.

Answer: 230.

3. Find 168 ÷ 4. [1 mark]

160 ÷ 4 = 40; 8 ÷ 4 = 2.

40 + 2 = 42.

Answer: 42.

4. Find 246 ÷ 3. [1 mark]

240 ÷ 3 = 80; 6 ÷ 3 = 2.

80 + 2 = 82.

Answer: 82.

5. Put 95 apples into full bags of 6. How many full bags can be made, and how many apples remain? [2 marks]

6 × 15 = 90.

95 − 90 = 5; the remainder is less than 6.

Answer: 15 full bags and 5 apples left.

6. A coach must seat 47 pupils in minibuses with 8 pupil seats each. How many minibuses are needed? Explain the remainder. [2 marks]

47 ÷ 8 = 5 remainder 7.

Five minibuses seat only 40 pupils. The other 7 need one more minibus.

Answer: 6 minibuses.