Larger calculations

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. Find 34×3. [1 mark]

$30 \times 3 = 90$; $4 \times 3 = 12$.

$90 + 12 = 102$.

Answer: 102.

2. Find 46×5. [1 mark]

$40 \times 5 = 200$; $6 \times 5 = 30$.

$200 + 30 = 230$.

Answer: 230.

3. Find $168 \div 4$. [1 mark]

$160 \div 4 = 40$; $8 \div 4 = 2$.

$40 + 2 = 42$.

Answer: 42.

4. Find $246 \div 3$. [1 mark]

$240 \div 3 = 80$; $6 \div 3 = 2$.

$80 + 2 = 82$.

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]

$6 \times 15 = 90$.

$95 - 90 = 5$; 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]

$47 \div 8 = 5$ remainder 7.

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

Answer: 6 minibuses.