

**YEAR 6**

Long Multiplication and Division

Three sections. Section A and B are the arithmetic paper: set the working out properly and the marks come with it. Section C is the reasoning paper, where the difficulty is deciding what to do rather than doing it.

Name: _____

Date: _____

Score: _____

A. Long multiplication

Multiply by the units, then the tens, then add. Keep the columns lined up.

① 346×24

② 528×37

③ 417×56

④ 263×48

⑤ 735×29

⑥ 58×46

⑦ 94×33

B. Long division

How many times does the divisor go in, and what is left over?

⑧ $918 \div 27$

9 $1224 \div 34$

10 $2072 \div 56$

11 $1035 \div 45$

12 $487 \div 6$, giving the remainder

13 $932 \div 7$, giving the remainder

14 Write $487 \div 6$ as a mixed number in its simplest form.

C. Problems

Read the question twice. A remainder sometimes means round up.

15 A theatre has 34 rows of 26 seats. How many seats in total?

16 1,248 pencils are packed into boxes of 24. How many boxes?

17 A school orders 18 crates of 45 books. How many books?

18 A coach carries 52 people. How many coaches are needed for 731 people?

19 Explain why the answer above is not 14 remainder 3.

20 A factory makes 2,375 items a day. How many in a 6 day week?