

**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.

A. Long multiplication

① 346×24 **8304**

② 528×37 **19536**

③ 417×56 **23352**

④ 263×48 **12624**

⑤ 735×29 **21315**

⑥ 58×46 **2668**

⑦ 94×33 **3102**

B. Long division

⑧ $918 \div 27$ **34**

⑨ $1224 \div 34$ **36**

⑩ $2072 \div 56$ **37**

⑪ $1035 \div 45$ **23**

⑫ $487 \div 6$, giving the remainder **81 remainder 1**

⑬ $932 \div 7$, giving the remainder **133 remainder 1**

⑭ Write $487 \div 6$ as a mixed number in its simplest form. **$81\frac{1}{6}$**

C. Problems

⑮ A theatre has 34 rows of 26 seats. How many seats in total? **884**

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- 16 1,248 pencils are packed into boxes of 24. How many boxes? **52**
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- 17 A school orders 18 crates of 45 books. How many books? **810**
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- 18 A coach carries 52 people. How many coaches are needed for 731 people? **15**
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- 19 Explain why the answer above is not 14 remainder 3. **The 3 people left over still need a coach, so the answer has to be rounded up to a whole coach rather than left as a remainder.**
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- 20 A factory makes 2,375 items a day. How many in a 6 day week? **14250**
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