

Year 5 Maths Assessment: Mastering Long Division

Learning objective: To divide numbers up to four digits by a one-digit number using formal written methods of long division and interpret remainders appropriately.

Read each question carefully. Show your working out clearly in the space provided. If you have a remainder, express it as a whole number or a fraction as required.

Max the monkey is helping his friends organise their supplies for a grand forest picnic. He needs to use his maths skills to share items equally among the group.

Word bank: Dividend · Divisor · Quotient · Remainder · Long division · Partitioning · Place value

1. Max has 484 acorns to share equally between 4 squirrel families. How many acorns does each family receive? Show your calculation. (2 marks)

2. Calculate $875 \div 7$. Show the steps of your long division. (3 marks)

3. Ellie the elephant has 942 litres of water to store in 6 large barrels. If each barrel must hold the same amount, how much water will be in each barrel? (3 marks)

4. Solve $726 \div 5$. Express your answer as a whole number with a remainder. (3 marks)

5. Kit the fox finds a box of 850 pencils. He wants to pack them into boxes of 8. How many full boxes can he make, and how many pencils will be left over? (4 marks)

6. Zara is selling handmade bookmarks for charity. She makes £564 in total. If each bookmark costs £4, how many bookmarks did she sell? Explain how you arrived at your answer. (5 marks)

7. Find the missing digit in this division: $6_4 \div 4 = 161$. Explain your reasoning. (5 marks)

Draw: Draw a diagram showing how you would partition the number 750 into 5 equal groups to help solve the division $750 \div 5$.



Extension challenge: Total: /25