

Division with Regrouping

A. Choose the correct answer:

1. What is $84 \div 4$ using long division?

- a) 20
- b) 22
- c) 21
- d) 23

2. In $96 \div 3$, what is the quotient?

- a) 32
- b) 31
- c) 30
- d) 29

3. If 78 is divided by 2 using long division, what is the remainder?

- a) 0
- b) 1
- c) 2
- d) None

4. When dividing 3-digit numbers using long division with regrouping, which part is written on top?

- a) Dividend
- b) Quotient
- c) Divisor
- d) Remainder

5. What is the quotient of $132 \div 6$ using long division?

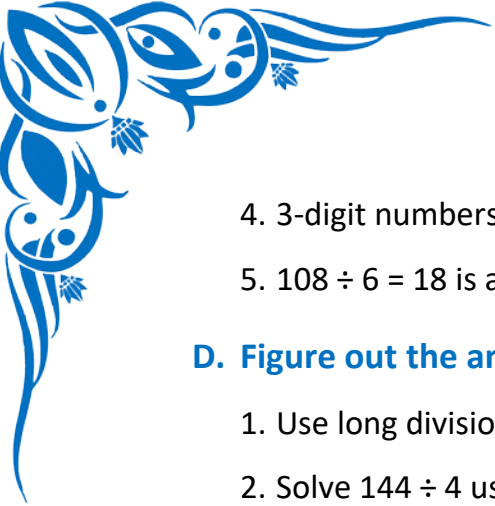
- a) 20
- b) 21
- c) 22
- d) 24

B. Write the Missing Terms to Complete the Sentences:

1. $96 \div 4 =$ _____
2. In $124 \div 2$, 124 is the _____
3. $108 \div 9 =$ _____
4. The number we divide by is called the _____
5. In long division, we regroup the _____ when we cannot divide the digit directly

C. Mark each sentence with a True (✓) or False (X):

1. Regrouping is used when the digit is smaller than the divisor. _____
2. In long division, the remainder is always equal to the divisor. _____
3. $124 \div 4 = 31$ is solved using regrouping. _____



4. 3-digit numbers cannot be divided without a calculator. _____

5. $108 \div 6 = 18$ is a correct long division. _____

D. Figure out the answers to these questions:

1. Use long division with regrouping to divide 126 by 6 and show all steps
2. Solve $144 \div 4$ using long division and explain where regrouping happens
3. Divide 162 by 3 using long division and label dividend, divisor, and quotient
4. Write a word problem based on $132 \div 6$ and solve it
5. Use multiplication to check your answer for $156 \div 3$ after solving it with long division

E. Challenge yourself with these questions:

1. Solve $168 \div 4$ using long division with regrouping
2. A ribbon of 135 cm is cut into 5 equal pieces. Use long division to find the length of each piece
3. Use long division to divide 252 by 6 and write down each step clearly
4. Divide 174 by 3 using long division and show the regrouping in steps
5. A student has 216 pencils packed equally into 9 boxes. How many pencils are in each box?