

## Grade 4 Math: Divisibility of Numbers Practice Worksheet: Difficulty Level: Intermediate

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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### Number Puzzles & Logical Reasoning

1. Find a number between 700 and 800 that is divisible by both 5 and 6.
  2. Which of these numbers is NOT divisible by 4?
    - 112, 132, 160, 196, 244
  3. The product of two numbers is 300.
    - If one number is 10, is the other divisible by 3?
  4. Find the missing number so that the number is divisible by 6:
    - 5\_8
  5. Which 2-digit number is divisible by both 3 and 7?
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### Checking Divisibility Using Long Division

1. Perform division and check if the remainder is 0 (Yes/No):
  - $725 \div 4$
  - $840 \div 6$
  - $999 \div 9$
  - $512 \div 7$
  - $875 \div 10$
2. Complete the divisibility table (Write Yes/No at appropriate places):

| Number | ÷2 | ÷3 | ÷5 | ÷9 | ÷10 |
|--------|----|----|----|----|-----|
| 450    | —  | —  | —  | —  | —   |
| 684    | —  | —  | —  | —  | —   |
| 510    | —  | —  | —  | —  | —   |
| 902    | —  | —  | —  | —  | —   |
| 999    | —  | —  | —  | —  | —   |

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### True or False with Explanation

1. If a number is divisible by 9, then it is also divisible by 3.
2. All even numbers are divisible by 4.
3. A number ending in 5 is always divisible by 10.
4. If a number is divisible by 4 and 6, it must be divisible by 12.
5. Every number divisible by 2 and 5 is also divisible by 10.

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### Word Problems on Divisibility

1. **A bus company has 975 passengers.** They need to seat them in rows of 25.
  - Will any seats remain empty?

2. **A market sells oranges in packs of 12.**
    - If a customer buys 300 oranges, is 300 divisible by 12?
  3. **Find the smallest number greater than 1000 that is divisible by both 6 and 8.**
  4. **A teacher wants to form groups of 9 students each from a class of 135 students.**
    - Will any students be left out?
  5. **A stadium has 2500 chairs arranged in rows of 50.**
    - Is 2500 divisible by 50?
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**-BE THE CHAMPION!--**