

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

Name: _____

Date: _____

Number Puzzles & Logical Reasoning

1. Find a 4-digit number divisible by both 7 and 8.
 2. What is the smallest number greater than 800 that is divisible by both 9 and 12?
 3. Fill in the blanks to make the number divisible by 5:
 - 3_5
 - _40
 4. Which 2-digit number divisible by 3 has a sum of digits equal to 9?
 5. The product of two numbers is 240. One number is 15. Is the other divisible by 8?
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Checking Divisibility Using Long Division

1. Perform division and check if the remainder is 0 (Yes/No):
 - $720 \div 12$
 - $528 \div 6$
 - $255 \div 5$
 - $396 \div 9$
 - $1,024 \div 8$
2. Complete the divisibility table for the following numbers:

Number	÷2	÷3	÷5	÷9	÷10
360					
495					
576					
810					
1,200					

True or False with Explanation

1. A number divisible by 12 is also divisible by 4 and 6.
2. If the last two digits of a number are divisible by 4, the whole number is divisible by 4.
3. Any number divisible by 8 is also divisible by 2.
4. If a number is divisible by both 3 and 5, it is also divisible by 15.
5. A number divisible by 10 ends in 0.

Word Problems on Divisibility

1. A library has 864 books. These need to be divided equally into shelves of 18. How many shelves will be needed?
 2. A teacher wants to divide 1,200 pencils among 25 students. Will each student get an equal number of pencils?
 3. Find the smallest 4-digit number divisible by 9 and 6.
 4. A school cafeteria packs 540 sandwiches into trays of 15 each. How many trays are needed?
 5. A gardener plants 1,008 flowers in rows of 14. Will there be any flowers left over?
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-BE THE CHAMPION!--