

Extra Practice Questions for Divisibility Rules

1. Without dividing, explain how you can tell whether 4,728 is divisible by 2.
2. Use the divisibility rule for 3 to decide whether 5,421 is divisible by 3. Show your working.
3. Is 7,316 divisible by 4? Explain how you know.
4. Decide whether 12,584 is divisible by 8. Show your working.
5. Is 6,327 divisible by 9? Justify your answer
6. Find all possible digits for * so that $43*$ is divisible by 2.
7. Find all possible digits for * so that $72*$ is divisible by 5.
8. Find all possible digits for * so that $5*2$ is divisible by 3.
9. Find all possible digits for * so that $36*$ is divisible by 4.
10. Find all possible digits for * so that $24*$ is divisible by 6.
11. Find all possible digits for * so that $7*2$ is divisible by 8.
12. Find all possible digits for * so that $81*$ is divisible by 9.
13. Find all possible digits for * so that $45*$ is divisible by 10.
14. All the numbers that are divisible by 9 are also divisible by 3?
15. All the numbers that are divisible by 3 are also divisible by 9?
16. Explain why every number divisible by 10 is also divisible by 2 and 5.

17. Put a ✓ if the number is divisible by the divisor and a ✗ if it is not.

Number	2	3	4	5	6	8	9	10
126								
245								
360								
472								
735								
816								
999								
1,240								