

**Practice A**

**Divisibility**

Use divisibility rules to tell whether each number is divisible by 2, 3, 4, 5, 6, 9, and 10.

1. 120

\_\_\_\_\_

2. 435

\_\_\_\_\_

3. 228

\_\_\_\_\_

4. 540

\_\_\_\_\_

5. 144

\_\_\_\_\_

6. 634

\_\_\_\_\_

7. 402

\_\_\_\_\_

8. 320

\_\_\_\_\_

Tell whether each number is divisible by 2, 3, 4, 5, 6, 9, and 10.

9. 32

10. 81

11. 45

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12. 56

13. 21

14. 72

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Tell whether each number is divisible by 2, 3, 4, 5, 6, 9, and 10.

15. 90

16. 416

17. 308

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

18. 540

19. 804

20. 225

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

21. 663

22. 972

23. 836

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

24. 2,160


25. 3,174

26. 8,433

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

# Divisibility

A number is divisible by another number if the quotient is a whole number with no remainder.

$42 \div 6 = 7$   42 is divisible by 6 because the quotient is 7 with no remainder.

Divisibility Rules		
A number is divisible by...	Divisible	Not Divisible

2 if the last digit is even (0, 2, 4, 6, or 8).	3,978	4,975
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55 \_\_\_\_\_ 60 \_\_\_\_\_

146,583 \_\_\_\_\_ 55,759,288 \_\_\_\_\_

5 if the last digit is 0 or 5.	14,975	10,978
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480 \_\_\_\_\_ 87,905 \_\_\_\_\_

846 \_\_\_\_\_ 4,219 \_\_\_\_\_

10 if the last digit is 0.	15,990	10,536
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7,893 \_\_\_\_\_ 5,500 \_\_\_\_\_

93,421 \_\_\_\_\_ 18,880 \_\_\_\_\_

Divisibility Rules		
A number is divisible by...	Divisible	Not Divisible

3 if the sum of the digits is divisible by 3	315	139
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82 \_\_\_\_\_ 240 \_\_\_\_\_

59,100 \_\_\_\_\_ 99,997 \_\_\_\_\_

4 if the last two digits form a number divisible by 4	8,512	7,518
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58 \_\_\_\_\_ 916 \_\_\_\_\_

78,324 \_\_\_\_\_ 907,734 \_\_\_\_\_

6 if the number is divisible by both 2 and 3.	48	20
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230 \_\_\_\_\_ 3,660 \_\_\_\_\_

21 \_\_\_\_\_ 8,916 \_\_\_\_\_

9 if the sum of the digits is divisible by 9.	711	93
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792 \_\_\_\_\_ 60,213 \_\_\_\_\_

29,169 \_\_\_\_\_ 555,555,555 \_\_\_\_\_