

Name \_\_\_\_\_

## Exploring Patterns in Multiplying by 0, 1, 2, 5, and 9

Complete.

1. Multiples of 2 end in \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_.
2. Multiples of 5 end in \_\_\_\_\_ or \_\_\_\_\_.
3. Describe the pattern that multiples of 9 follow.

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4. Does  $4 \times 5 = 5 \times 4$ ? Explain.

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Find each product.

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|--------------------------|--------------------------|--------------------------|
| 5. $2 \times 4 =$ _____  | 6. $5 \times 3 =$ _____  | 7. $5 \times 9 =$ _____  |
| 8. $9 \times 3 =$ _____  | 9. $4 \times 5 =$ _____  | 10. $5 \times 6 =$ _____ |
| 11. $9 \times 6 =$ _____ | 12. $2 \times 6 =$ _____ | 13. $0 \times 1 =$ _____ |
| 14. $4 \times 1 =$ _____ | 15. $9 \times 9 =$ _____ | 16. $7 \times 5 =$ _____ |
| 17. $2 \times 8 =$ _____ | 18. $1 \times 5 =$ _____ | 19. $4 \times 9 =$ _____ |
| 20. $5 \times 5 =$ _____ | 21. $8 \times 0 =$ _____ | 22. $7 \times 2 =$ _____ |
| 23. $2 \times 0 =$ _____ | 24. $9 \times 2 =$ _____ | 25. $3 \times 2 =$ _____ |
| 26. $9 \times 1 =$ _____ | 27. $2 \times 5 =$ _____ | 28. $9 \times 8 =$ _____ |

29. Find the product of 5 and 5. \_\_\_\_\_

30. Find the product of 7 and 9. \_\_\_\_\_

31. Which is greater,  $3 \times 5$  or  $2 \times 6$ ? Explain.

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32. Which is less,  $5 \times 8$  or  $4 \times 9$ ? Explain.

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