

Function Tables and Patterns

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. If the rule is to multiply by 3, what is the output for an input of 4? ____

2. A function table shows that when the input is 5, the output is 20. What is the rule if it multiplies the input by 4?

3. Complete the pattern: 2, 4, 6, ____

4. Circle the greater number:

18

or

27

5. The output for an input of 3 is 9 when the rule is to add 6. True or False?

True

False

6. Find the output for the input of 6 if the rule is to add 7.

7. If a function table shows that an input of 10 gives an output of 50 by multiplying by 5, what is the output for an input of 8?

8. What number comes next? 1, 3, 5, 7, ____

9. If you have a function where the rule is to subtract 2 from the input of 12, what is the output? ____

10. The rule for the function table is always addition. True or False?

True

False

11. A function table shows an input of 4 gives an output of 16. If the rule is to multiply by 4, what would an input of 5 yield?

12. Calculate the output for an input of 3 with the rule of adding 5. ____

13. Which input results in a higher output: 7 if the rule is to multiply by 3, or 6 if the rule is to multiply by 4?

14. If the output is 30 when the input is 6 and the rule is to multiply by 5, what is the output for an input of 7 using the same rule?

15. What number completes the sequence: 5, 10, 15, 20, _____

Answer Key

1. 12 2. Multiply by 4 3. 8 4. 27 5. False 6. 13 7. 40 8. 9 9. 10 10. False 11. 20 12. 8 13. 6 multiplied by 4 14. 35 15. 25