What makes an algorithm?

ANSWER KEY

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Use after completing the practice page. Values are generated by the page's shared engine.

Equivalent exact representations are valid where the prompt allows them. Non-integer results are rounded to two decimals.

1 **Answer: 61**

State after multiplying by 5: 60; Output after adding: 61

2 **Answer: 27**

State after multiplying by 2: 18; Output after adding: 27

3 **Answer: 26**

State after multiplying by 3: 18; Output after adding: 26

4 **Answer: 19**

State after multiplying by 4: 12; Output after adding: 19

5 **Answer: 57**

State after multiplying by 5: 55; Output after adding: 57

6 **Answer: 17**

State after multiplying by 2: 16; Output after adding: 17

7 **Answer: 24**

State after multiplying by 3: 15; Output after adding: 24

8 **Answer: 16**

State after multiplying by 4: 8; Output after adding: 16

9 **Answer: 37**

State after multiplying by 5: 30; Output after adding: 37

10 **Answer: 12**

State after multiplying by 2: 6; Output after adding: 12

11 **Answer: 38**

State after multiplying by 3: 33; Output after adding: 38

12 **Answer: 36**

State after multiplying by 4: 32; Output after adding: 36

Practise interactively and explore the method:

https://goofergames.com/math/world/algorithms

Free for educational use: teachers may print and share the worksheets with their students.