



New Maths GCSE: A2 - Substitution into Formulae (just positive numbers)

Name:.....

Date:.....

$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$3b$

A 8 **B** 15
C 35 **D** 9

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

bc

A 52 **B** 7
C 25 **D** 10

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$\frac{d}{2}$

A 5 **B** 8
C 0.2 **D** 20

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$\frac{b}{d}$$

A 2 **B** 5
C -5 **D** 0.5

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$a^2$$

A 32 **B** 5
C 6 **D** 9

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$d^3$$

A 30 **B** 300
C 1000 **D** 103

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$2b^2$$

A 50 **B** 100
C 625 **D** 20

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$c(a + b)$$

A 28 B 10
C 16 D 11

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$\sqrt{bcd}$$

A 10 B 50
C 4.123... D 4.472 ...

Correct Answer: A B C D

Explanation:

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$a = 3$ $b = 5$ $c = 2$ $d = 10$

What is the value of the following expression?

$$(b + c)^2$$

A 9 B 49
C 14 D 29

Correct Answer: A B C D

Explanation:

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