



New Maths GCSE: A1 - Millionaire - Algebra Revision

Name:

Date:

There are n marbles in this bag. If I add 5 more, how many are now in the bag?

A: $5n$ B: $n + 5$
C: $n5$ D: 5

Correct Answer: A B C D

Explanation:

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There are t marbles in this bag. If I take 2 out, how many are now in the bag?

A: $t - 2$ B: $2 - t$
C: 2 D: t

Correct Answer: A B C D

Explanation:

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I take 2 marbles from each bag. How many do I have left altogether?

A: $3p - 2$ B: $3p - 6$
C: -6 D: $p - 2$

Correct Answer: A B C D

Explanation:

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I add 5 marbles to each bag. How many do I have altogether ?

A: $m + 5$ B: $3m + 5$

C: $3m + 15$ D: $m + 15$

Correct Answer: A B C D

Explanation:

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Each bag contains t marbles. During a game each player loses 2 marbles. How many are left ?

Lisa 

Ben 

Cal 

Fiona 

A: $10t - 10$ B: $10t - 2$

C: $10 - 10t$ D: $t - 2$

Correct Answer: A B C D

Explanation:

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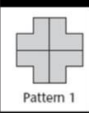
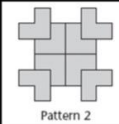
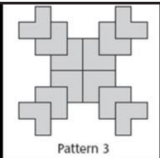
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There are 4 tiles in pattern 1. How many tiles would be in pattern 4 ?

A: 14 B: 12

C: 10 D: 16

Correct Answer: A B C D

Explanation:

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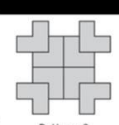
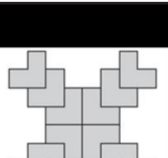
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What is the number of the pattern you can make with 40 tiles ?

A: 160 C: 10

B: 40 D: 4

Correct Answer: A B C D

Explanation:

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When $2y + 11 = 17$
what is the value of y ?

A: 28 B: 3

C: 6 D: 14

Correct Answer: A B C D

Explanation:

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When $a = 2$ and $b = 3$
which of these expressions
have the same value?

ab
 $a + b$
 $3a$
 $3b$

A: ab and $3a$ B: ab and $3b$

C: all of them D: $3a$ and $3b$

Correct Answer: A B C D

Explanation:

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pattern number 1 pattern number 2 pattern number 3

How many white triangles would
there be in pattern 5 ?

A: 20 B: 15

C: 14 D: 16

Correct Answer: A B C D

Explanation:

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pattern number 1 pattern number 2 pattern number 3

How many triangles would there
be in pattern 10 ?

A: 31 B: 32

C: 40 D: 30

Correct Answer: A B C D

Explanation:

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Which of these equations is true ?

A: $k = a + b$ B: $k - c = a + b$

C: $a + b = k + c$ D: $k - b = c$

Correct Answer: A B C D

Explanation:

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These two shapes have the same AREA. Work out the value of y ?

A: 8 B: 4

C: 6 D: 2

Correct Answer: A B C D

Explanation:

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The rule for finding the number of hexagons is

A: $n + 6$ B: $6n$

C: $6n - 1$ D: $6n + 1$

Correct Answer: A B C D

Explanation:

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What is the nth term rule for working out the total number of matchsticks?

A: $2n + 1$ B: $n + 2$

C: $3n - 1$ D: $3n$

Correct Answer: A B C D

Explanation:

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