

Name:

Class:

### Question 1

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An algebraic expression is -

**Check all of the correct answers. There may be only one correct answer.**

- ☐ Numbers, symbols and operations grouped together that show the value of a problem
- ☐ An expression containing at least one variable
- ☐ An expression containing one or more numbers and operations
- ☐ A letter or symbol that represents an unknown quantity

### Question 2

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A variable is -

**Check all of the correct answers. There may be only one correct answer.**

- ☐ Numbers, symbols and operations grouped together that show the value of a problem
- ☐ An expression containing at least one variable
- ☐ An expression containing one or more numbers and operations
- ☐ A letter or symbol that represents an unknown quantity

### Question 3

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A numerical expression is -

**Check all of the correct answers. There may be only one correct answer.**

- ☐ Numbers, symbols and operations grouped together that show the value of a problem
- ☐ An expression containing at least one variable
- ☐ An expression containing one or more numbers and operations
- ☐ A letter or symbol that represents an unknown quantity

#### Question 4

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Identify the variable in the following equation:

$$2a+6=14$$

**Check all of the correct answers. There may be only one correct answer.**

☐ 2

☐ a

☐ +

☐ 6

#### Question 5

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Find the value of y to make the statement true:

$$20 + y = 25$$

**Check all of the correct answers. There may be only one correct answer.**

☐ 4

☐ 5

☐ 6

☐ 7

### Question 6

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Find the value of  $y$  to make the statement true:

$$15 - y = 8$$

**Check all of the correct answers. There may be only one correct answer.**

☐ 7

☐ 6

☐ 9

☐ 8

### Question 7

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Find the value of  $y$  to make the statement true:

$$12 \times y = 11 \times 12$$

**Check all of the correct answers. There may be only one correct answer.**

☐ Y

☐ 12

☐ 10

☐ 11

### Question 8

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Identify the two equivalent expressions

**Check all of the correct answers. There may be only one correct answer.**

☐  $2(2a+b)$

☐  $8a+2b$

☐  $4a+2b$

☐  $2ab$

### Question 9

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The following is an example of an equivalent equation

$$3(2+4) = 6+12$$

**Circle True or False.**

☐ True

☐ False

### Question 10

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Dom is doing some comparative shopping. Solve the following to help him figure out the prices.

At the first shop the promotion is  $2(a+b)$  where  $a = 3$  and  $b = 4$

**Check all of the correct answers. There may be only one correct answer.**

- ☐ 14
- ☐ 16
- ☐ 12
- ☐ 13

### Question 11

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Dom is doing some comparative shopping. Solve the following to help him figure out the prices. At the second shop the promotion is  $(3a + 2b) - b$  where  $a = 3$  and  $b = 4$

**Check all of the correct answers. There may be only one correct answer.**

- ☐ 14
- ☐ 12
- ☐ 13
- ☐ 16

### Question 12

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What is comparative shopping?

**Check all of the correct answers. There may be only one correct answer.**

- ☐ When you compare what you buy to what your friends buy
- ☐ When you compare the same or similar products from a number of different places
- ☐ The total amount of money saved each month

### Question 13

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When you're making choices about how to spend your money, you must take all of your options into consideration. A consideration is...

**Check all of the correct answers. There may be only one correct answer.**

- ☐ A serious disagreement or argument about how to spend your money
- ☐ Something that needs to be accounted for when deciding on an action
- ☐ An informal conversation through spoken words

### Question 14

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A \_\_ Account is a bank account that you can use for all your small monthly expenses such as going to the movies or buying a book.

**Check all of the correct answers. There may be only one correct answer.**

- ☐ Spending
- ☐ Savings
- ☐ Sharing

## Question 15

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How can you earn interest on your money?

**Check all of the correct answers. There may be only one correct answer.**

- ☐ By putting your money in a piggy bank and not spending it for at least a month
- ☐ By putting your money in a bank account and receiving a cash reward from the bank for saving your money
- ☐ By donating a percentage of your money to charity