

Name _____

Date _____

Write Expressions in Which Letters Stand for Numbers

Mark the text by underlining key words, and then write an expression using variables and/or numbers for each of the statements below.

1. Omayya picked x amount of apples, took a break, and then picked v more. Write the expression that models the total number of apples Omayya picked.
2. A number h is tripled and then decreased by 8.
3. Sidney brings s carrots to school and combines them with Jenan's j carrots. She then splits them equally among 8 friends.
4. 15 less than the quotient of e and d .
5. Marissa's hair was 10 inches long, and then she cut h inches.

Mark the text by underlining key words, and then write an expression using variables and numbers for each of the statements below.

1. Justin can type w words per minute. Melvin can type 4 times as many words as Justin. Write an expression that represents the rate at which Melvin can type.
2. Yohanna swam y yards yesterday. Sheylin swam 5 yards less than half the amount of yards as Yohanna. Write an expression that represents the number of yards Sheylin swam yesterday.
3. A number is d decreased by 5 and then doubled.
4. Nahom had n baseball cards and Semir had s baseball cards. They combined their baseball cards and then sold 10 of them.
5. The sum of 25 and h is divided by f cubed.

Mark the text by underlining key words, and then write an expression using variables and/or numbers for each of the statements below.

1. Omayya picked x amount of apples, took a break, and then picked v more. Write the expression that models the total number of apples Omayya picked.

Omayya picked x amount of apples, took a break, and then picked v more.

$$x + v$$

2. A number h is tripled, and then decreased by 8.

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$$3h - 8$$

3. Sidney brought s carrots to school and combined them with Jenan's j carrots. She then split them equally among 8 friends.

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$$\frac{s+j}{8} \text{ or } (s + j) \div 8$$

4. 15 less than the quotient of e and d .

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$$\frac{e}{d} - 15 \text{ or } e \div d - 15$$

5. Marissa's hair was 10 inches long, and then she cut h inches.

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$$10 - h$$

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$$4w$$

2. Yohanna swam y yards yesterday. Sheylin swam 5 yards less than half the amount of yards as Yohanna. Write an expression that represents the number of yards Sheylin swam yesterday.

Yohanna swam y yards yesterday. Sheylin swam 5 yards less than half the amount of yards as Yohanna. Write an expression that represents the number of yards Sheylin swam yesterday.

$$\frac{y}{2} - 5 \text{ or } y \div 2 - 5 \text{ or } \frac{1}{2}y - 5$$

3. A number d is decreased by 5 and then doubled.

A number is d decreased by 5 and then doubled.

$$2(d - 5)$$

4. Nahom had n baseball cards and Semir had s baseball cards. They combined their baseball cards and then sold 10 of them.

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$$n + s - 10$$

5. The sum of 25 and h is divided by f cubed.

The sum of 25 and h is divided by f cubed.

$$\frac{25+h}{f^3} \text{ or } (25 + h) \div f^3$$