

## Grade 6 Math Homework

February 19<sup>th</sup>-22<sup>nd</sup>

Please answer these questions in your math homework notebook. Make sure to clearly write the date and label each of your answers. If you have any questions about this work, please see Ms. Delorme or Mr. McCloskey before Friday.

1. Francine gets paid \$7.00 for each hour she works. The formula to calculate her pay is shown below.

$$P = 7 \times H$$

Which of the following statements is true?

- A  $P$  is the only variable.
  - B  $H$  is the only constant.
  - C  $P$  and  $H$  are variables.
  - D  $P$  and  $H$  are constants.
2. Two equations are shown below.

$$n + 3 = 9$$

$$n + 3 + k = 23$$

If the equations are true, what is the value of  $k$ ?

- A 6
- B 9
- C 14
- D 20

3. Two equations are written below.

$$4 \times \Delta = 8$$

$$4 \times \Delta + \square = 18$$

What value does the  $\square$  represent?

- F 2
  - G 4
  - H 10
  - J 22
4. What value, when placed in the box, would make the following equation true?

$$6 \times \square - 4 = 56 + 6$$

- a 10
  - b 11
  - c 31
  - d 62
5. Look at the equation below.

$$y \div z = 9$$

Which values of  $y$  and  $z$  do **not** make the equation true?

- a  $y = 27; z = 3$
- b  $y = 54; z = 6$
- c  $y = 63; z = 7$
- d  $y = 72; z = 9$

6. The total number of books Mitzi reads over the summer can be found using the expression  $2 \times n + 3$ , where  $n$  represents the number of weeks. After how many weeks will she have read 11 books?

a 3

b 4

c 7

d 8