

- ① What is the question?
- ② What do you need to know.
- ③ define the variable.
- ④ define the constant.
- ⑤ define the coefficient.
- ⑥ decide if = is needed.

① How many students?

② 331 students,  $6x$  buses } students in cars

③ variable =  $x$

④ 7 constant

⑤ 6 coefficient

⑥ = 331



① How much...?

② \$24 to spend, 7 pencils, \$10 left.

③ P

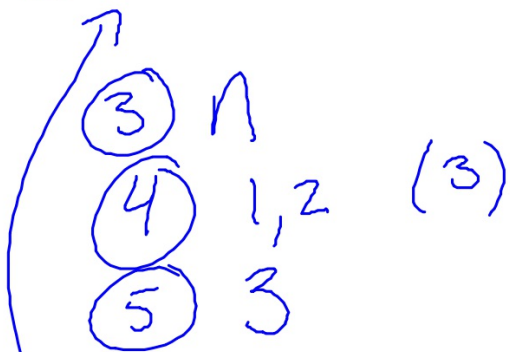
④ \$10

⑤ 7

⑥ = 24

① What is the smallest #?

② 3 consecutive, is 72, Sum



$$\textcircled{6} = 72$$

EVERY TIME YOU SEE  
"consecutive integers"  
the constant and coefficient is 3.



inverse

~~opposite~~

inverse

Subtraction

Solve

$$X + 7 = 12$$

$$\begin{array}{r} -7 \quad -7 \\ \hline \end{array}$$

$$X = 5$$

check

$$5 + 7 = 12$$

$$12 = 12$$

✓

$$\begin{array}{r} 2.23 + m = 5.84 \\ -2.23 \quad -2.23 \\ \hline \end{array}$$

$$m = 3.61$$

$$2.23 + 3.61 = 5.84$$

$$5.84 = 5.84$$

✓

$$150 = 50 + h$$

$$\begin{array}{r} -50 \quad -50 \\ \hline \end{array}$$

$$100 = h$$

$$150 = 50 + 100$$

$$150 = 150$$

addition

$$\begin{array}{r} 8 - w = 5 \\ -8 \quad -8 \\ \hline \end{array}$$

$$\begin{array}{r} -w = -3 \\ \frac{-1}{-1} \quad \frac{-1}{-1} \\ \hline \end{array}$$

$$w = 3$$

$$\begin{array}{r} 8 - w = 5 \\ +w \quad +w \\ \hline \end{array}$$

$$\begin{array}{r} 8 = 5 + w \\ -5 \quad -5 \\ \hline \end{array}$$

$$3 = w$$

## Subtraction

$$\begin{array}{r} 8 - w = 5 \\ + w \quad + w \end{array}$$

$$\begin{array}{r} 8 = 5 + w \\ -5 \quad -5 \end{array}$$

$$\boxed{3 = w}$$

$$\begin{array}{r} 8 - w = 5 \\ -8 \quad -8 \end{array}$$

$$\begin{array}{r} -w = -3 \\ \hline -1 \quad -1 \end{array}$$

$$\boxed{w = 3}$$

Check

$$\begin{array}{r} 8 - 3 = 5 \\ 5 = 5 \\ \checkmark \end{array}$$

inverse  
division

$$\frac{6x = 48}{\frac{6}{6} \quad \frac{6}{6}}$$
$$x = 8$$

$$6(8) = 48$$
$$48 = 48$$

multiplication

$$2 \cdot \frac{x}{2} = 12 \cdot 2$$
$$x = 24$$

$$\frac{2}{1} \cdot \frac{x}{2} = \frac{\cancel{2}x}{\cancel{2}}$$

check

$$\frac{24}{2} = 12$$
$$12 = 12$$

## Notebook check:

1. you have a math notebook (25 points)
2. your notebook has 5 dividers labeled correctly (20 points)
3. you have all notes dated, titled, and in the correct order (by date) under the notes section (15 points)
4. your syllabus is under course documents (10 points)
5. all graded work is under the graded work tab in chronological order (10 points)
6. you have nothing under the homework tab that is incomplete (10 points)
7. your quiz/review tab should have nothing behind it yet (I still have your quizzes) (10 points)