



Quick Review

- When you solve an equation you find the value of the variable that makes the equation true.

You can solve an equation by *systematic trial* or by *inspection*.

- Sharon baby-sits for an hourly wage. She works for 2 h and is given an extra \$3 as a tip. Sharon earns \$17. What is her hourly rate?

Let d dollars per hour represent Sharon's hourly rate.

Then $2 \times d$, or $2d$ is how much she earns for 2 h work.

Include the \$3 tip, then an equation that represents this situation is: $2d + 3 = 17$

Solve by Systematic Trial

$$2d + 3 = 17$$

Choose a value for d and substitute.

Try $d = 10$; then $2 \times 10 + 3 = 23$

Try $d = 5$; then $2 \times 5 + 3 = 13$

Try $d = 6$; then $2 \times 6 + 3 = 15$

Try $d = 7$; then $2 \times 7 + 3 = 17$

23 is too large. Try a lesser value.

13 is too small. Try a value between 5 and 10.

15 is too small. Try a value between 6 and 10.

$d = 7$ makes the equation true.

So, $d = 7$

Solve by Inspection

$$2d + 3 = 17$$

To solve the equation by inspection, ask yourself:

"Which number added to 3 gives 17?"

$$2d + 3 = 17$$

You know that $14 + 3 = 17$

$$\text{So, } 2d = 14$$

Then ask yourself, "Two times which number gives 14?"

You know that $2 \times 7 = 14$.

So, $d = 7$

Sharon earns \$7/h.

Tip

Each trial provides information to guide you in choosing a value for the next trial.

Math Makes Sense 6 Answer Key

G Psacharopoulos



Math Makes Sense 6 Answer Key:

Decoding **Math Makes Sense 6 Answer Key**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Math Makes Sense 6 Answer Key**," a mesmerizing literary creation penned by a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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