

Math Comics

A class comic book illustrating when & why multiplying and dividing numbers by 10, 100, and 1,000 can save the day!

Create comic strip that gives a real-world scenario when you would need to use multiplication or division of 10, 100, or even 1,000.

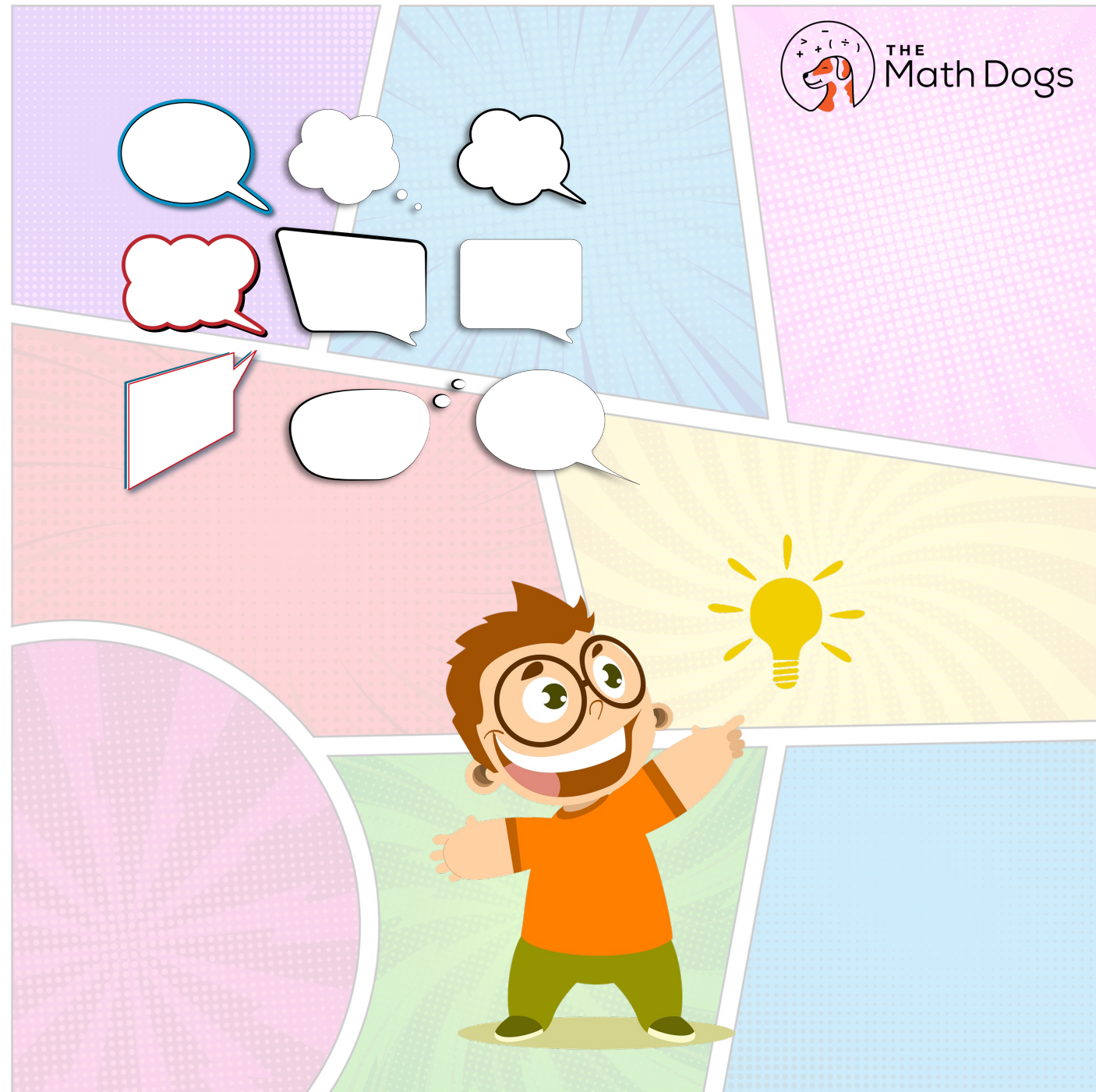
You and your classmates will put together a comic book called ' _____ ' that illustrates all the different times you may need to multiply or divide a number by 10, 100, or even 1,000.

Consider these examples:

You are purchasing 10 cupcakes that cost .25 cents each. Knowing that $10 \times .25 = \$2.5$ will make sure you pay the correct amount.

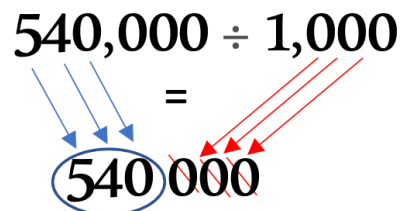
OR,

You're a school principal and must divide 450 cookies between your 100 students. Knowing that $450 \div 100 = 4.5$ will make sure all your students get an equal share.

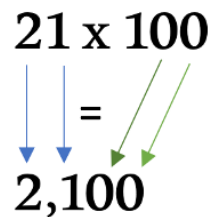


Tips and Tricks

When dividing a number by 1,000, simply take the three zeros away from the number being divided. Take a look!

$$540,000 \div 1,000 = 540$$


When multiplying a number by 100, simply take the two zeros and move them to the number being multiplied. Take a look!

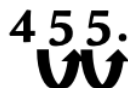
$$21 \times 100 = 2,100$$


With decimals

Multiplication

$$4.55 \times 100 = 455$$

Count the number of zeros...
in this case, 2. Then, move the decimal place two times to the right.

$$455.$$


$$34.6 \times 1000 = 34600$$

Count the number of zeros...
in this case, 3. Then, move the decimal place three times to the right.

$$34600.$$


You need to add zeros to hold the place value.

Division

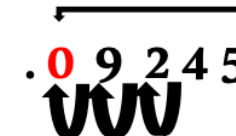
$$569.71 \div 100 = 5.6971$$

Count the number of zeros...
in this case, 2. Then, move the decimal place two times to the left.

$$5.6971$$


$$92.45 \div 1000 = .09245$$

Count the number of zeros...
in this case, 3. Then, move the decimal place three times to the left.

$$.09245$$


You need to add zeros to hold the place value.



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Content

The comic somewhat illustrates a real-world scenario where multiplication or division by 10, 100, or 1,000 is used. The chosen scenarios are somewhat relevant but needs more creativity to develop the comic's story.

The comic effectively illustrates a real-world scenario where multiplication or division by 10, 100, or 1,000 is used. The chosen scenarios don't fit well with the comic's story.

The comic clearly and creatively illustrates a real-world scenario where multiplication or division by 10, 100, or 1,000 is used. The chosen scenario is relevant and fits seamlessly well with the math problem.

Accuracy and understanding

The comic partially demonstrates an understanding of the concept of multiplying and dividing by 10, 100, or 1,000. Some mathematical operations are accurately portrayed.

The comic effectively demonstrates a solid understanding of the concept of multiplying and dividing by 10, 100, or 1,000. The example contains a number with a decimal. The mathematical operations are accurately portrayed.

The comic effectively demonstrates a solid understanding of the concept of multiplying and dividing by 10, 100, or 1,000. The example contains a number with a decimal and uses division. The mathematical operations are accurately portrayed.

Visual presentation

The comic's visual elements lack refinement, hindering the storytelling and engagement. Limited attention to detail is apparent.

The comic partially demonstrates an understanding of the concept of multiplying and dividing by 10, 100, or 1,000. Some mathematical operations are accurately portrayed.

The comic's visual elements (drawings, colors, layout) are very well-crafted, enhancing the storytelling and engagement. Attention to detail is evident throughout.

