Letters and Math Sentences

Math Sentences that Use Variables (1)

The formula to calculate the area of a rectangle is Example width multiplied by length. A 5 cm wide tape is cut into several pieces. Write a math sentence for the area of this In a math rectangular tape when the length is x cm long. Calculate sentence, χ is the area when x = 30. a variable. It is a letter that represent any 5 cm number. r cm (cm^2) If the length is |0 cm, the area is 5 × |0| =50 75 (cm^2) If the length is 15 cm, the area is 5 × |5| =If the length is 20 cm, the area is 5 20 = 100 (cm^2) X 25 = 125 (cm^2) If the length is 25 cm, the area is 5 × (cm^2) If the length is x cm, the area is $5 \times x$ When x is 30 $5 \times x$ (cm²) 150 cm² Answer cm, the area is

The letter x is used in math to mean a value is not yet known. It is called a "variable". Let's practice writing x.



2 The formula to calculate the area of a parallelogram is the base multiplied by the height. The parallelogram has a base of 4 cm and a height of x cm. Write a math sentence for the area. Calculate the area when x = 6 cm.



3 1.8 L of juice is shared equally among x amount of people. How much juice will each person get? Write a math sentence for the word problem. Calculate the amount of juice when x = 9.

Answer	When x is 9, the	
	amount of juice is	

 $x \operatorname{cm}$



- **1** The letter y is also used in math to mean a value is not yet known. It is also called a variable. Let's practice writing y.
- 2 A rectangle has a length of x cm and a width of 8 cm. It has an area of y cm². Write the math sentence for the word problem. Calculate the area y when x = 4 cm.

Answer

When x = 4, y is

The formula for the circumference of a circle is the diameter multiplied by 3.14. A circle has a diameter of x cm and circumference of y cm. Write the math sentence for the circumference. Calculate the circumference y when x = 10 cm.

Answer

When x = 10, y is

There was 2 L of juice. I drank x L. There is y L of juice left. Calculate the amount of juice left, y when x = 0.6 L.

Answer

When x = 0.6, y is







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