

Math 0

Homework#16

Hey, Buddy, said gnome! Come visit my miniature Gnome town. We have tons of games and hope you will play with us. As you walk with me, please help other gnomes to fill in their empty windows with numbers that adds up to the number shown on their house. Solve the problems to the right.

$1 + 1 = \square$
 $2 - 1 = \square$

$1 + 2 = \square$
 $3 - 2 = \square$

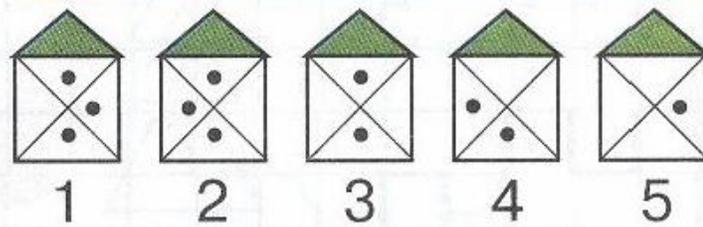
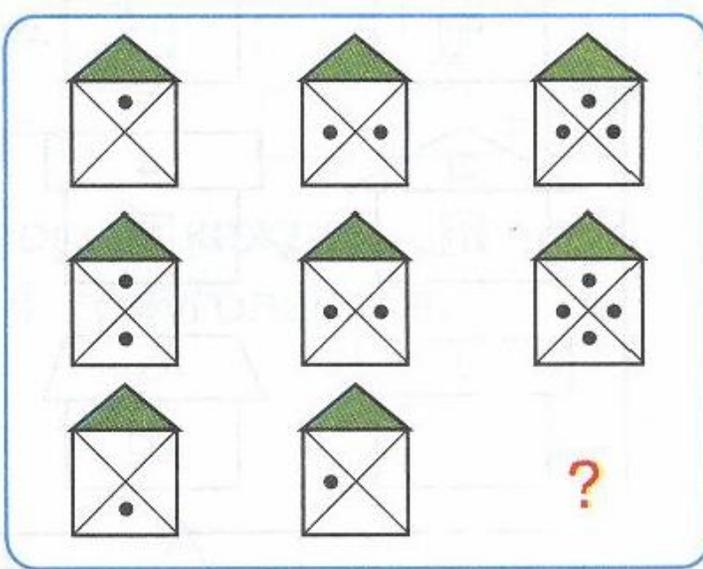
$1 + 3 = \square$
 $2 + 2 = \square$
 $4 - 1 = \square$
 $4 - 2 = \square$

$1 + 4 = \square$
 $2 + 3 = \square$
 $5 - 2 = \square$
 $5 - 4 = \square$



-Hey, gnome, said buddy! I like your little town. Do you think you can build a mini house for me?

-Sure Buddy, answered Gnome. -Choose a right one for you.



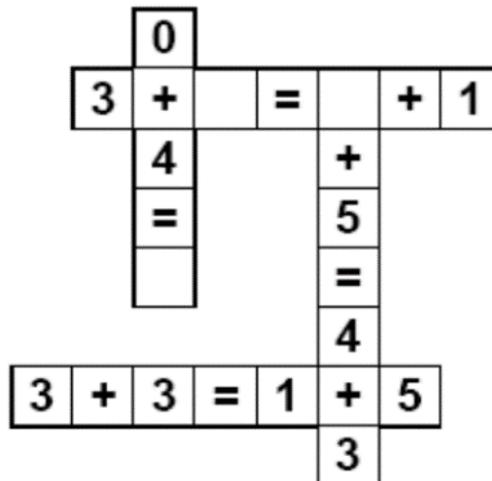
You can also choose to live in the House of Double Digits. Look at the hint below and figure out what numbers or drawings are missing on the windows



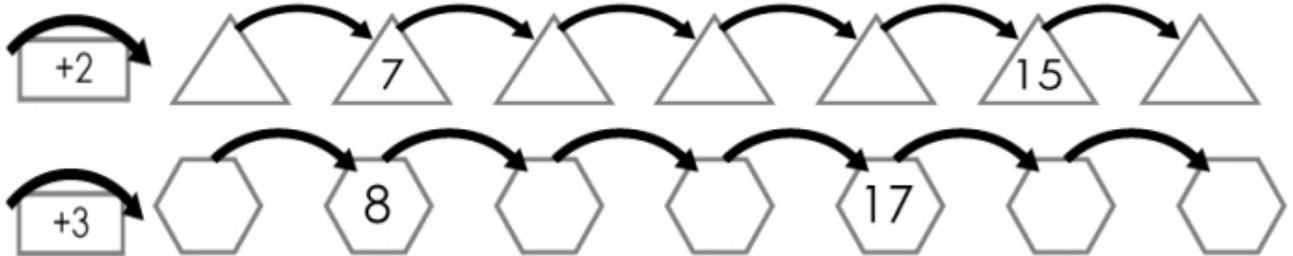
$$10 = \text{triangle with 10 dots} = \text{blue triangle}$$

15		11		14		17		16	

You deserve a nice math crossword masterpiece for your wall.

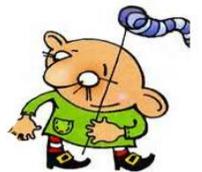


-And here is a new math carpet for you.
Using the hint on the left side, solve the problems and fill in the blank shapes



-Time to think about the furniture: its shapes, colors, and sizes, - said Gnome
-I love triangular chairs. My favorite color is Red,- said Buddy
-I love Blue color, said Gnome, can you get a special chair for me so I can sit on it when I come over?
-Sure, why not!, replied Buddy

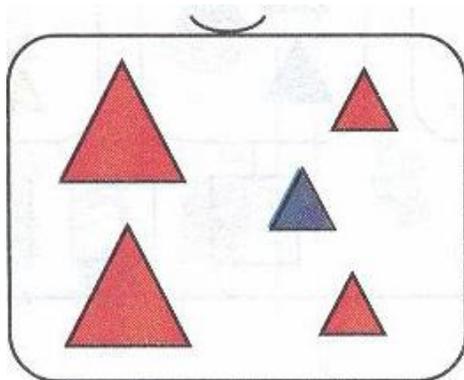
In the first column, use letters and fill in the blank squares. Come up with your own math problems and write them inside the blank squares,
Second column has numbers that match the math expressions in the left column accordingly.



Example:

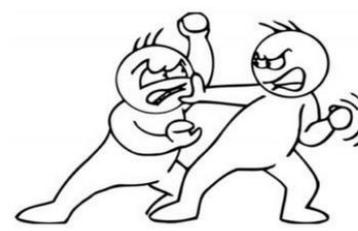
R(Red) and B(Blue)=T(triangles)

4 (number of red triangular chairs)
1 (number of blue triangular chairs)
4+1=5 is total number of chairs



$$\begin{array}{l}
 R + B = T \\
 \square + \square = \square \\
 T - R = \square \\
 \square - \square = \square
 \end{array}$$

$$\begin{array}{l}
 4 + 1 = \square \\
 \square + \square = \square \\
 \square - \square = \square \\
 \square - \square = \square
 \end{array}$$



Buddy looked at the window and noticed two gnomes fighting.

-Why are you fighting? asked Buddy

-We are trying to solve the problems, but cannot agree on the solutions, -two gnomes replied.

-We do not want you to fight. Let us help you! – gnome and Buddy replied
We can place correct signs in between.



=, ≠		
• •	=	2
•	≠	3
• •		4
• •		4

=, ≠		
• • •		5
• •		3
• •		4
•		1

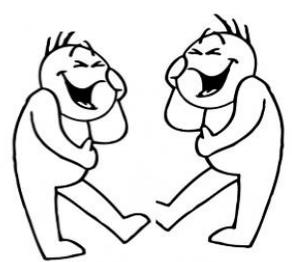


- What about the next problem? Asked two bad behaving gnomes
- Do not worry! We can solve another problem too, ensured them Buddy

=, ≠

<input type="checkbox"/>					

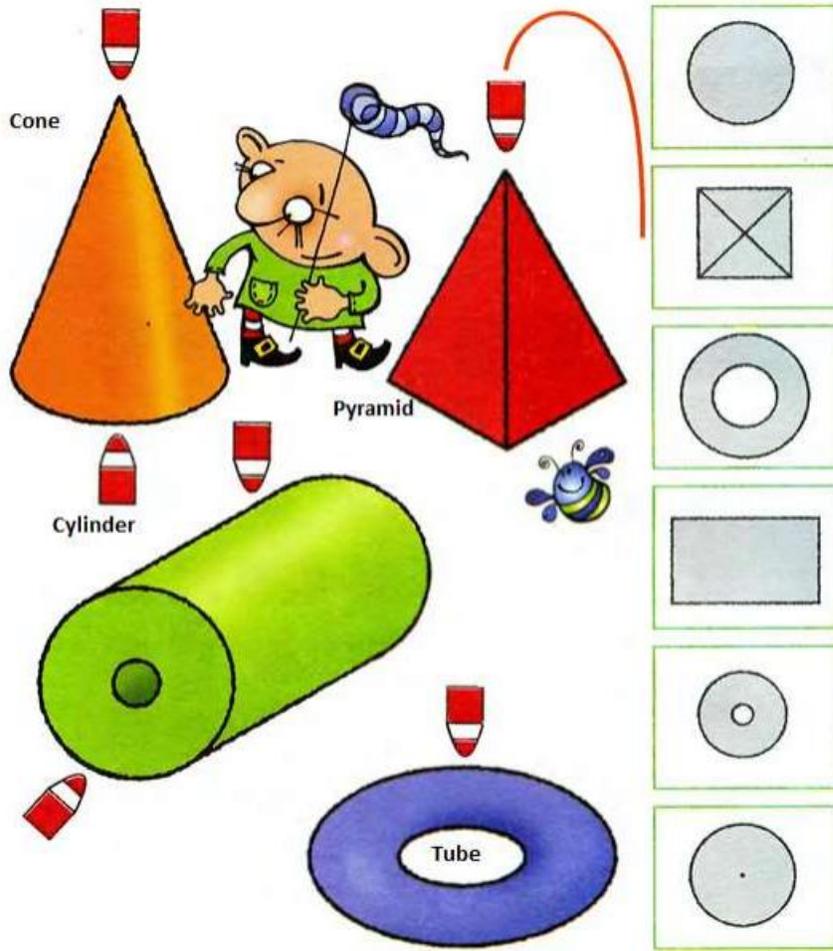
- Thank you! You helped us and we are all friends now! -happy gnomes replied



Buddy decided to give presents to his new two friends gnomes, so they have something to play with and will never fight again.

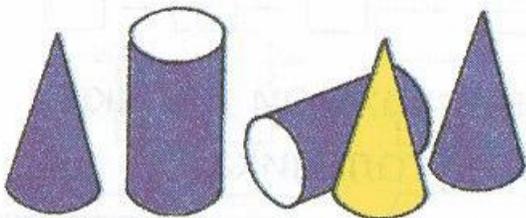
-With this special camera, you can take pictures of any object from any angles.

Can you guess based on the pictures I took on the right side, which objects did I photographed?



Since you are getting comfortable with cameras, I want you to think of this picture below.

All the math problems are true for this picture. Can you think of two more examples based on the picture? Hint: think of SHAPE and COLOR. Write them down in the empty squares below.



$$4 + 1 = \square$$

$$3 + 2 = \square$$

$$5 - 4 = \square$$

$$5 - 3 = \square$$

$$5 - 1 = \square$$

$$5 - 2 = \square$$

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