

MY Homework

Lesson 1

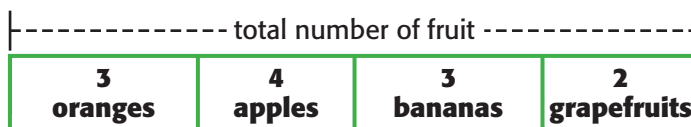
Hands On: Numerical Expressions

Homework Helper



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Paul has a fruit basket that includes 3 oranges, 4 apples, 3 bananas, and 2 grapefruits. Use the bar diagram to write and evaluate two numerical expressions to represent the total number of fruit in the basket.



1 Use the bar diagram to write an expression using only addition.

$$3 + 4 + 3 + 2$$

Evaluate the expression.

$$3 + 4 + 3 + 2 = 12$$

2 Use the bar diagram to write an expression using multiplication and addition.

$$(2 \times 3) + 4 + 2$$

Evaluate the expression.

$$(2 \times 3) + 4 + 2 = 12$$

So, there are 12 total pieces of fruit in the basket.

Practice

- Refer to the Homework Helper. Suppose Paul went to the store and bought 4 peaches to add to the basket. Write two new numerical expressions to represent the total number of fruit in the basket.

Expression 1

$$3 + \underline{\quad} + 3 + 2 + \underline{\quad}$$

Expression 2

$$(2 \times \underline{\quad}) + (\underline{\quad} \times 4) + 2$$



Problem Solving


2. Deborah's playlist on her MP3 player had a variety of songs on it. She had 21 country songs, 18 alternative songs, 16 pop songs, and 18 rock songs. Use the bar diagram to write and evaluate two numerical expressions to represent the total number of songs on Deborah's MP3 player.

----- total songs -----			
21 country songs	18 alternative songs	16 pop songs	18 rock songs

Write and evaluate an expression using only addition.

Write and evaluate an expression using multiplication and addition.

So, there are _____ total songs on Deborah's MP3 player.

3. **Mathematical PRACTICE**  **Identify Structure** Mrs. Conrad's art class was painting murals. She had 4 bottles of red paint, 5 bottles of green paint, 4 bottles of yellow paint, 6 bottles of blue paint, and 5 bottles of orange paint. Use the bar diagram to write and evaluate two numerical expressions to represent the total number of bottles of paint.

----- total number of bottles -----				
4 red	5 green	4 yellow	6 blue	5 orange

Write and evaluate an expression using only addition.

Write and evaluate an expression using multiplication and addition.

So, Mrs. Conrad has a total of _____ bottles of paint.