Area and Perimeter Models   Assignment   **Math 5**

Multiplicative Comparison

A statement that shows how two factors and their product can be read as a comparison.

7 x 4 = 28

Comparison: ____ is ___ times as many as ___

Area and Perimeter Models   Assignment   **Math 5**

Let's try...

Use the equation to complete the sentence.

15 = 3 x 5

____ is 3 times as much as 5.

Use the equation to complete the sentence.

45 = 9 x 5

45 is 9 times as much as_____.

Wrong Way: 45 = 5 x 9

MathTeacherCoach.com

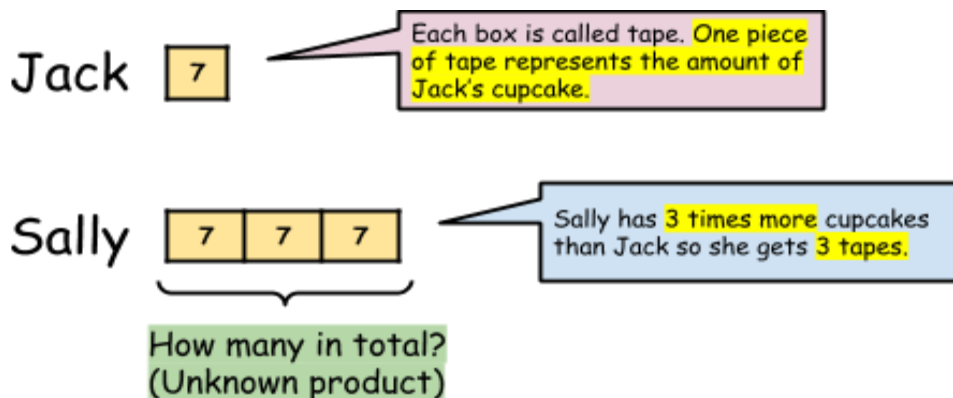# Area and Perimeter Models

Assignment **Math 5**

Let's solve the word problem using multiplicative comparison!

1. Jack bought 7 cupcakes. Sally bought 3 times more cupcakes than Jack did.

How many cupcakes did Sally buy?

Step 1: Circle/highlight the important keywords

Step 2: Draw a tape diagram

Jack [7]

Each box is called tape. One piece of tape represents the amount of Jack's cupcake.

Sally [7 | 7 | 7]

Sally has 3 times more cupcakes than Jack so she gets 3 tapes.

How many in total? (Unknown product)

Step 3: Write the equation

Sally has 3 times more cupcakes than Jack (Jack has 7). 3 × 7 = 21

Answer: Sally has 21 cupcakes.

Area and Perimeter Models   Assignment **Math 5**

2. Pam has 40 pokemon cards. This is 5 times as many as Ryan has.

How many cards does Ryan Have?

Step 1:

Step 2:

Step 3:

Pam has ___ pokemon cards and that is ____ times more pokemon cards than Ryan's.

Step 4:

Answer:

Area and Perimeter Models

3. The giraffe is 20 feet tall. The kangaroo is 5 feet tall.

How many times taller is the giraffe than the kangaroo?

Step 1:

What are we comparing?-

Step 2:

Step3 :

The Giraffe is __ feet tall. The giraffe is __ times taller than the kangaroo (__ feet tall).

Step 4:

Answer:

Area and Perimeter Models   Assignment   **Math 5**

Multiplicative Comparison and Additive Comparison

Multiplicative Comparison

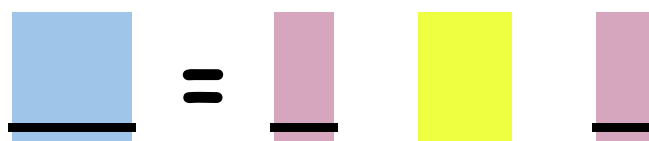A statement that shows how two factors and their product can be read as a comparison

30 is 5 times more than 6

⬜ = ⬜ ⬜ ⬜

Additive Comparison

A statement that shows how two addends and their sum can be read as a comparison

30 is 10 more than 20

⬜ = ⬜ ⬜ ⬜

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Area and Perimeter Models   Assignment   **Math 5**

Which equation should we use?

Ken gets to choose whether he gets a bicycle or video game for his birthday. The video game costs $8. The bicycle costs 6 times as much as the video game.

Which equation can you use to find how much the bicycle is?

6x8   OR   6+8

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Area and Perimeter Models   Assignment   **Math 5**

Area and Perimeter

Area

The number of square units inside a shape.

Formula: [   ] × [   ] = _____

Perimeter

The distance around the outside of a shape.

Formula: [   ] + [   ] + [   ] + [   ] = _____
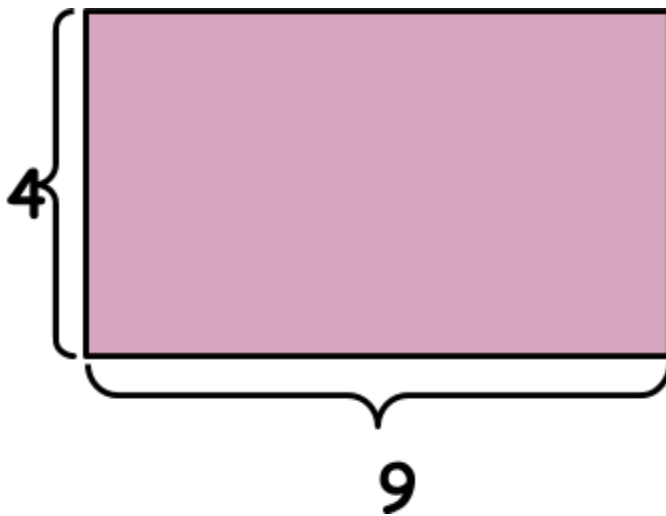
Area and Perimeter Models   Assignment   **Math 5**

Question 1:

What is the ~~area~~ of the rectangle?

4

9

Area Formula:

Area and Perimeter Models   Assignment   **Math 5**

Question 2:

A train ticket is 10 centimeters long and 4 centimeters tall.

What is its area of the train ticket?

Step 1: Circle the important keywords

Step 2: Draw a picture

Step 3: Write the equation
Area Formula -

Step 4:Solve the equation

Answer:

Area and Perimeter Models   Assignment   **Math 5**

Let's find the unknown factor!

John's pokemon card is 5 centimeters long. The area of his pokemon card is 30 square centimeters.

What is the width of his pokemon card?

Step 1:

Step 2:

Step 3:
Area Formula -

Step 4:

Answer: