Ball Bounce I

Ball Description: _____

This ball rebounds to a height of _____ inches when dropped from 24 inches.

The rebound ratio for this ball is: _____   (simplify if possible)

Predict the rebound height when the ball is dropped from _____ inches.

_____

Predict what drop height would be necessary to have a rebound of _____ inches.

Ball Bounce II

Ball Description: _____

This ball rebounds to a height of _____ inches when dropped from
20 inches.

The rebound ratio for this ball is: _____   (simplify if
possible)

Return your meter stick and ball to your teacher and ask for
numbers to complete the following questions.

Use a proportion with a variable to predict the rebound height
when the ball is dropped from ____ inches.

_____

Use a proportion with a variable to predict what drop height is
needed to have a rebound of _____.
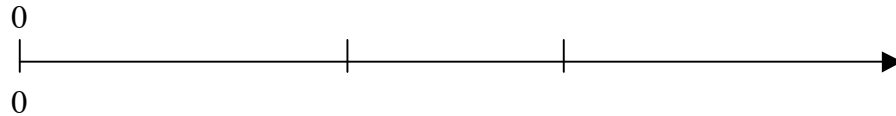
Rates on a Double-sided Numberline

A **Rate** is a ratio between two measurements.

RATES EXPERIMENT #1:

_____ walks _____ in _____

DIRECTIONS: Fill in this information on the double-sided number line below and follow directions to use it to answer the question your teacher will ask.

0

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0

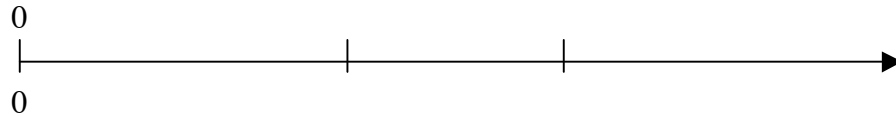Question from the teacher:

Proportion:

Answer to the question in a sentence:

_____

RATES ON A DOUBLE-SIDED NUMBERLINE II

A **Rate** is a ratio between two measurements.

RATES EXPERIMENT #2:

_____ claps _____ times in _____

DIRECTIONS: Fill in this information on the double-sided number line below and follow directions to use it to answer the question your teacher will ask.

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    |————————————————|————————————————|————————————————▶
    0
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Question from the teacher:

Proportion:

Answer to the question in a sentence:

_____
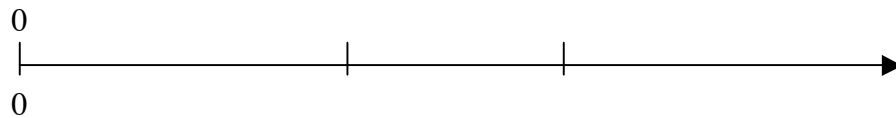
Rates on a Double-Sided Numberline III

RATES EXPERIMENT #3:

_____ can _____ in
_____

DIRECTIONS: Fill in this information on the double-sided number line below and follow directions to use it to answer the question your teacher will ask.

0

|———|———|————————▶

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Question from the teacher:

Proportion:

Answer to the question in a sentence:

Use a double-sided number line and a proportion to solve each of the questions below.

1. Maribel earns $34 in 4 hours of work. How long will it take her to earn $85?

2. The factory can make 60 bicycles in 8 hours. How many can it make 20 hours?