# **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

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.

0

0

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

0

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?