Double-Sided Number Line for Writing Proportions

Directions: For each problem below, draw and label a **double-sided number line**, estimate the value of the unknown and then write and solve a **proportion**.

1. Apples are advertised as $3 for 2 pounds. How much will it cost for 6 pounds of apples?

Estimate:

Proportion:

2. Jeanette skips 4 feet in 5 seconds. At that rate, how ling will it take her to skip 24 feet?

Estimate:

Proportion:

3. The ratio of giraffes to elephants in the zoo is 3:1. If there are 33 giraffes in the zoo, how many elephants are in the zoo?

Estimate:

Proportion:

4. Mark runs 3 miles in 15 minutes. At that rate, how far will he run in 45 minutes?

Estimate:

Proportion:

5. Bananas are on sale for 3 pounds for $2. At that price, how many pounds can you buy for $22?

Estimate:

Proportion:

6. Rick types 70 words in 2 minutes. At that rate, how many words can he type in 10 minutes?

Estimate:

Proportion:

7. At a cupcake shop, they make 3 chocolate cupcakes for every 4 vanilla cupcakes. If they make 270 chocolate cupcakes, how many vanilla cupcakes will they make?

Estimate:

Proportion:

8. One package of socks costs $7. How many packages can you buy with $56?

Estimate:

Proportion:

9. Xavier measured the length and width of a rectangle to be 11 cm and 7 cm, respectively. A rectangle that is similar to this rectangle has a width of 63 cm. How long is the rectangle?

Estimate:

Proportion:

10. Ming was planning a trip to Western Somoa. Before going, she did some research and found out that the exchange rate is 6 Tala for $2. How many Tala would she get if she exchanged $42?

Estimate:

Proportion: