

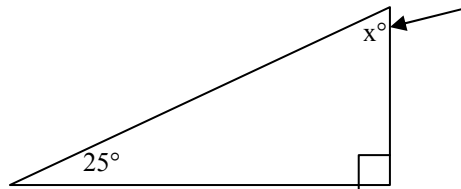
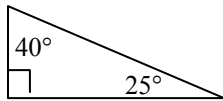
## Ratios and Proportions

1. How do you solve problems using ratios and proportions?
  - a. Using an algorithm
  - b. Using proportional reasoning without an algorithm
  - c. Both a and b
  - d. None of the above
  
2. Which ratio is equivalent to  $\frac{1}{7}$ ?
  - a.  $\frac{3}{21}$
  - b.  $\frac{14}{24}$
  - c.  $\frac{7}{6}$
  - d.  $\frac{22}{100}$
  
3. A box of 16 oz box of cereal costs \$5.49. How much are you paying per ounce?
  - a.  $\approx 0.50/\text{oz}$
  - b.  $\approx 0.30/\text{oz}$
  - c.  $\approx 0.44/\text{oz}$
  - d.  $\approx 0.34/\text{oz}$
  
4. Bethany's heart beats 225 times in 3 minutes. How many times does her heart beat per minute?
  - a. 70 times
  - b. 75 times
  - c. 78 times
  - d. 80 times
  
5.  $\frac{\$180}{712 h} = \frac{\$x}{20 h}$ 
  - a. \$300
  - b. \$325
  - c. \$250
  - d. \$295

6. Which is NOT a ratio

- a. 2 to 5
- b. 2:5
- c. 2.5
- d.  $\frac{2}{5}$

7. What is the correct measurement for the missing angle?



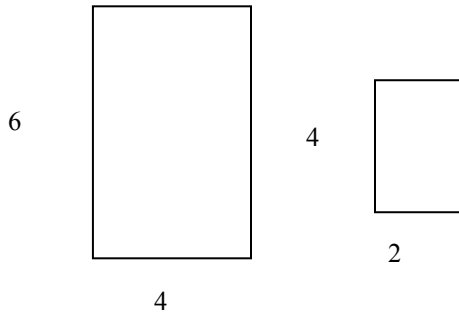
- a.  $90^\circ$
- b.  $25^\circ$
- c.  $45^\circ$
- d.  $40^\circ$

8. Below is a table showing the price per pound for cashews at the grocery store. What is the missing value?

Weight (lb)	Cost
1	1.25
2	x
3	5.00

- a. 2.25
- b. 2.50
- c. 1.75
- d. 1.50

9. The scale factor for the dilation below is



- a. 2
  - b. 4
  - c. 6
  - d. 3
10. Two figures are similar if...
- a. They have the same shape
  - b. They are the same size
  - c. They have the same angle measurements
  - d. A and C