

## 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

Correct feedback: Yes, the answer is both a and b

Incorrect feedback: Sorry, the answer is a and b. Please review the solving ratios without an algorithm PowerPoint.

2. Which ratio is equivalent to  $\frac{1}{7}$ ?
  - a.  $\frac{3}{21}$
  - b.  $\frac{14}{24}$
  - c.  $\frac{6}{7}$
  - d.  $\frac{22}{100}$

Correct feedback: Yes, the answer is  $\frac{3}{21}$ .

Incorrect feedback: Sorry, the answer is  $\frac{3}{21}$ . Please review the vocabulary for this module.

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.  $\approx 0.34/\text{oz}$

Correct feedback: Yes, the answer is  $\approx 0.34/\text{oz}$

Incorrect feedback: Sorry, the answer is  $\approx 0.34/\text{oz}$ . Please review the finding unit rate PowerPoint.

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

Correct feedback: Yes, the answer is 75 times

Incorrect feedback: Sorry, the answer is 75 times. Please review the solving proportions PowerPoint.

5.  $\frac{\$180}{712 h} = \frac{\$x}{20 h}$
- a. **\$300**
  - b. \$325
  - c. \$250
  - d. \$295

Correct feedback: Yes, the answer is \$300.

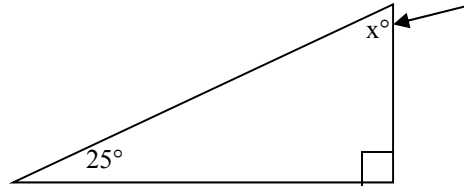
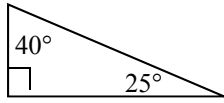
Incorrect feedback: Sorry, the answer is \$300. Please review the solving proportions PowerPoint.

6. Which is NOT a ratio
- a. 2 to 5
  - b. 2:5
  - c. **2.5**
  - d.  $\frac{2}{5}$

Correct feedback: That's right, 2.5 is not a ratio

Incorrect feedback: Sorry, 2.5 is not a ratio. Please review the vocabulary for this module.

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



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

Correct feedback: The answer is  $40^\circ$

Incorrect feedback. The answer is  $40^\circ$ . Please go back and review the vocabulary for this module

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

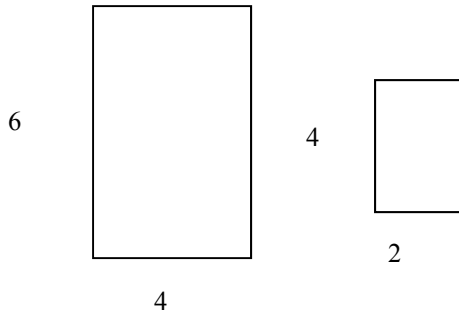
Weight (lb)	Cost
1	1.25
2	x
3	5.00

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

Correct feedback, Great! The answer is \$2.50

Incorrect feedback: Sorry, the answer is \$2.50. Please review the solving ratios without algorithms PowerPoint.

9. The scale factor for the dilation below is



- a. 2
- b. 4
- c. 6
- d. 3

Correct feedback: That's correct, the answer is 2

Incorrect feedback. Sorry, the answer is 2. Please review the dilations PowerPoint.

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

Correct feedback: That's right, the answer is d. Two figures are similar if they have the same shape and angle measurements

Incorrect feedback: Sorry, the answer is D. Please go back and review the vocabulary for this module.