Carl soldhis trumpet at a profit of $75. Whichnumber represents a profit of $75?

- - $75
- $ 75
- -$750
- $750

Kathy rode her scooter at a speed of 105 meters per minute. She rode a total of 750 meters in t minutes. Which equation could be used to find the correct value of t?

- $105 - t = 750$
- $750 - t = 105$
- $105t = 750$
- $750t = 105$

Alexander reads $\frac{1}{8}$ of a book each night. How long will it take him to read $\frac{3}{4}$ of the book?

Sophia recorded the temperature at noon for seven days

Temperature at Noon	
Day	Temperature ($°F$)
Monday	-2
Tuesday	1
Wednesday	0
Thursday	-4
Friday	-1
Saturday	-5
Sunday	2

On which days was the temperature at noon below $0°$ F and warmer than Thursday?

- ○ Tuesday and Sunday
- ○ Monday and Friday
- ○ Monday, Friday, and Saturday
- ○ Monday, Wednesday, and Friday

Kira is selling pears at a fruit stand. She has p pears. After she sells 12 pears, she has 49 left. Which equation models this situation?

- $p + 12 = 49$
- $p - 12 = 49$
- $49 - 12 = p$
- $49 - p = 12$

Seven people decide to share $\frac{3}{8}$ of a bag of marbles equally. What fraction of the bag of marbles does each person receive?

Use this table of average temperature in February to determine which of the following statements is true. Select three that apply.

City	Average Low	Average High
Sacramento, CA	41°	60°
Fairbanks, AK	−14°	7°
Miami, FL	60°	76°
Mt. Washington, NH	−3°	13°

- [ ] Miami's average high temperature is 79 degrees warmer than the average low in Mt. Washington.
- [ ] The difference between the average high temperature and the average low temperature in Fairbanks is 21 degrees.
- [ ] The difference between Sacramento's average low temperature and Mt. Washington's average low temperature is 38 degrees.
- [ ] The average low in Fairbanks is 55 degrees colder than the average low in Sacramento.

Ellen had some change in her pocket. After her friend gave her $0.45, Ellen had $1.35 altogether. Which equation can she use to find the original amount of money, m, she had in her pocket?

- $m + 0.45 = 1.35$
- $1.35 = m - 0.45$
- $m = 1.35 \times 0.45$
- $m + 1.35 = 0.45$

Select which of the statements below is true.

- Dividing by $\frac{4}{5}$ is the same thing as multiplying by 4 then dividing by 5.
- Dividing by $\frac{4}{5}$ is the same thing as multiplying by 5 then dividing by 4.
- Dividing by $\frac{4}{5}$ is the same as multiplying by $\frac{4}{5}$ and then dividing by the reciprocal of $\frac{4}{5}$.
- Dividing by $\frac{4}{5}$ is not the same things as multiplying by 5 then dividing by 4.

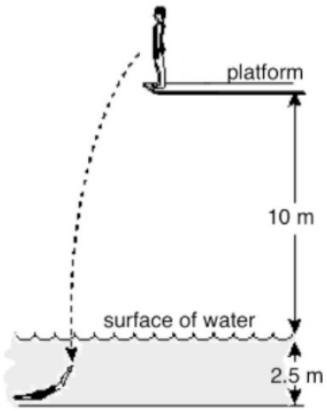
Look at the equation below.

$$12 = 48x$$

What value of x makes the equation true?

- $x = 1/12$
- $x = ¼$
- $x = 4$
- $x = 36$

Jenny doveinto a pool from a platform 10 meters above the surface of the water and went2.5 meters below the surface as shown in the picture below.



Jenny'sposition on the platform compared to the surface of the water is described bythe number + 10. What number describesher position below the surface of the water?

- –7.5
- – 2.5
- + 7.5
- + 12.5

A team of geologists was studying subsoil conditions on a planned building site. Starting 6 meters above sea level, they drilled down 5 meters and then down another 5 meters. The final sample was take 3 meters below that. If zero represents sea level, which number represents the final drilling depth in meters?

- ○ -3
- ○ -7
- ○ -13
- ○ -19