8. Julius brought 50 pounds of supplies to share with his volunteer group on an ecological program in Central America, including pieces of equipment that weighed 10 pounds each and bottles of medicine that weighed 1 pound each. If p represents the number of pieces of equipment he brought and b represents the number of bottles of medicine he brought, then the total weight can be represented by the equation $10p + b = 50$. If he brought 3 pieces of equipment, how many bottles of medicine did he bring?

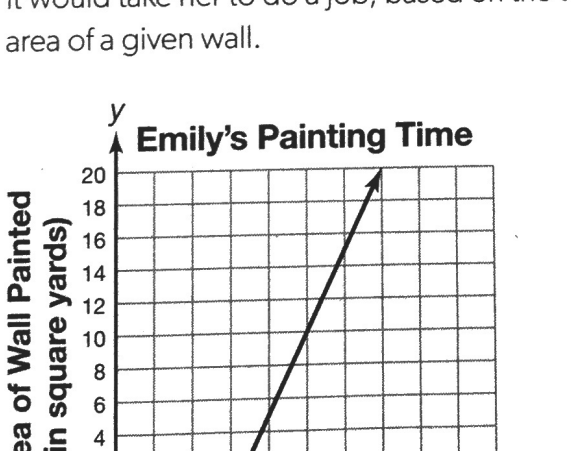
A. 5 bottles

B. 10 bottles

C. 15 bottles

D. 20 bottles

9. Emily works as a painter. Emily takes 30 minutes to prepare each interior wall of a house before painting and 2 minutes per square yard to paint each wall. The graph below shows the total time it would take her to do a job, based on the total area of a given wall.



How long does it take Emily to complete a job when she paints a wall with an area of 15 square yards?

A. 30 minutes

B. 60 minutes

C. 90 minutes

D. 120 minutes

10. A linear equation and its solution are shown below.

$$-x - 5 = 2$$

Step 1: $-x = 7$

Step 2: $x = -7$

Which property allows the addition of 5 to both sides in Step 1?

A. subtraction property of equality

B. reflexive property of equality

C. addition property of equality

D. transitive property of equality

11. In order to be elected to student council, Donald must have at least 50% of the current council members vote in his favor. If x represents the percent of favorable votes received, which inequality represents the percent of favorable votes that Donald needs to be elected to student council?

A. $x < 50$

B. $x > 50$

C. $x \leq 50$

D. $x \geq 50$

12. Three friends ate lunch at a restaurant together. The friends want to determine how much they each owe for their share. If Scott's meal cost \$7, Susan's meal cost \$9, and the total cost of lunch was \$25, how much did Lee's meal cost?

A. \$9

B. \$11

C. \$19

D. \$41