

10. What is the solution of the inequality?

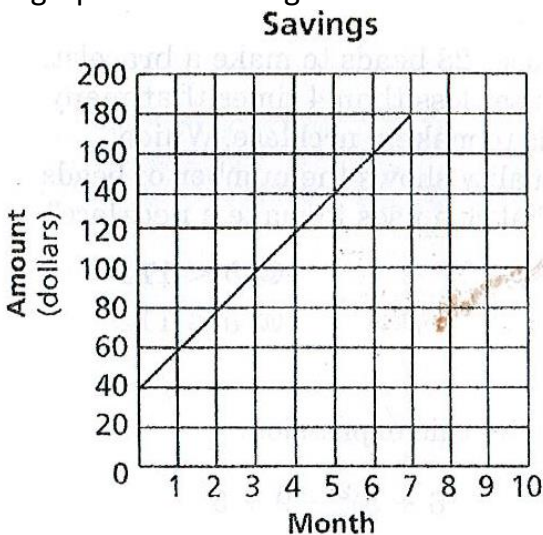
$$3d < 24 + d$$

- a. $d < 4$ c. $d < 8$
 b. $d < 6$ d. $d < 12$

11. Which expression represents the phrase
5 times a number divided by 8?

- a. $8n \div 5$ c. $\frac{5n}{8}$
 b. $\frac{5}{8} + n$ d. $8n \div 5$

12. Emil started a savings account with \$40. She drew this graph of her savings over 7 months.



Which describes how her savings changed over time?

- a. Her savings decreased \$10 per month.
 b. Her savings decreased \$20 per month.
 c. Her savings increased \$10 per month.
 d. Her savings increased \$20 per month.

13. Solve for p . $\frac{1}{6} + p = 2\frac{1}{2}$

- a. $2\frac{1}{6}$ c. $2\frac{2}{3}$
 b. $2\frac{1}{3}$ d. $2\frac{5}{6}$

14. Simplify. $2(7a - b) + 3(a - 6b)$

- a. $17a - 20b$ c. $17a - 7b$
 b. $40a - 25b$ d. $11a - 16b$

15. Find the value of k in $\frac{k}{7} + 6 = 55$.

- a. $k = 7$ c. $k = 343$
 b. $k = 8\frac{5}{7}$ d. $k = 427$

16. Evaluate this expression for $x + 10$, $y = 4$, and $z = 2$.
 $(8y - 2)x \div (z + y)$

- a. 1 c. 50
 b. 10 d. 154

17. Sunset Drive-in Movies is celebrating its anniversary by giving movie goers a discount. Instead of charging \$6.50 per person, they are charging \$6 per car plus \$2 for each person in the car. Which equation shows how the total cost, T , relates to p , the number of people in the car?

- a. $T = 6p$ c. $T = 2 + 6p$
 b. $T = 6.5p$ d. $T = 6 + 2p$

18. Which equation describes the relationship between the x and y values in the table below?

X	Y
1	2
2	6
3	10
4	14

- a. $y = x + 1$ c. $y = 2x$
 b. $y = 4x - 2$ d. $y = 2x + 2$