

Integers Test Review

1) $42 \div 6 - (-5 - 2)$

2) $\frac{-8+23}{-3}$

3) $-1 - 6 + 7$

4. Bradley owns a small business. There was a profit of \$15 on Monday and a loss of \$9 on Tuesday. On Wednesday there was a loss of \$17 and on Thursday there was a profit of \$7. Find the profit or loss for the four business days.

A \$-4

B \$-9

C \$-48

D \$6

5. On one day the temperature in a city in Chile was 32°C . The temperature in Switzerland was -8°C . What is the *difference* in these temperatures?

6. The table below shows the amount of money each student has in their lunch accounts.

Jackson	\$8
Taylor	\$-2
Sal	\$10
Jessica	\$-4

What is the *average* amount of money in their lunch accounts?

A \$12

B \$3

C \$-3

D \$-12

7. The *range* of a set of data is 18. If the largest number is 15, what is the smallest number?

*Hint: Draw a number line. ☺

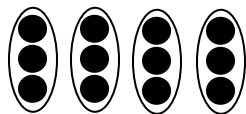
A -18

B 3

C -3

D -15

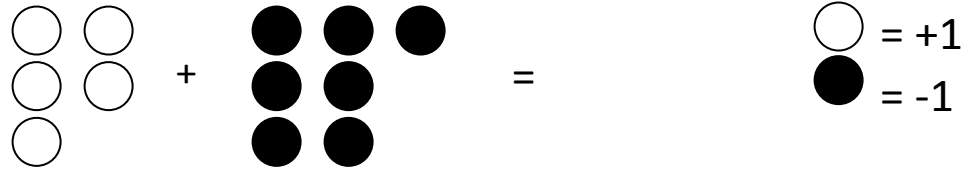
8. In the model below the counters represent negative numbers.



Which expression is represented by the model?

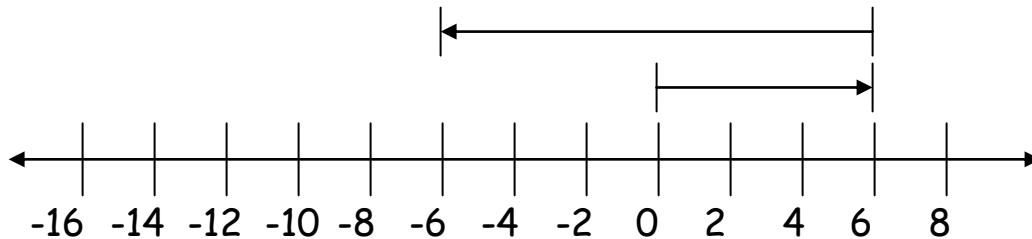
A $12 \div 3$ B $-12 \div -3$ C $-12 \div 4$ D $-12 \div -4$

9. Use the model below to select the problem situation that fits with the model.



- A. Steven has seven toy cars and five of them broke.
- B. Lauren has five roses and Simon gave her seven more.
- C. Chris has five dollars and he had to borrow seven dollars from his mom.
- D. Quinton is twelve years old and her younger brother is seven years younger than her.

10. Use the model below to select the problem situation that fits with the model.



- A. Janie takes six steps forward, and then she takes six steps backwards.
- B. It is -6°F outside at 3 a.m. and it warms up to 6°F by 1:00 p.m.
- C. Christopher has \$12 and lets his sister borrow \$6 for candy.
- D. The football team gains six yards and losses twelve yards.

Match the following situations to their mathematical representation on the right.

11. While working a Math problem, Ja'nae had 6 groups of counters. Each group contained 2 negative counters. How many counters did she have in all?

A $\frac{-6}{2}$

B $-6 \cdot -2$

12. A scuba diver dove 6 feet to the bottom of the bay, then swam up 2 feet. What is the diver's current location?

C $6 \cdot -2$

D $-6 + 2$

13. The Packers moved the ball a total of -6 yards on the first 2 plays of the game. How many yards did they average on each play?

14. On a cold day it is -28°F outside at 3:00 P.M. By 10:00 P.M. the temperature has dropped 7°F . What is the temperature at 10:00 P.M.?

- A. -21°F B. -4°F
 C. -35°F D. -196°F

15. During a blizzard, the temperature dropped 36 degrees over a period of 4 hours. What integer represents the number of degrees the temperature dropped each hour?

- A. 144 degrees B. -144 degrees
 C. 9 degrees D. -9 degrees

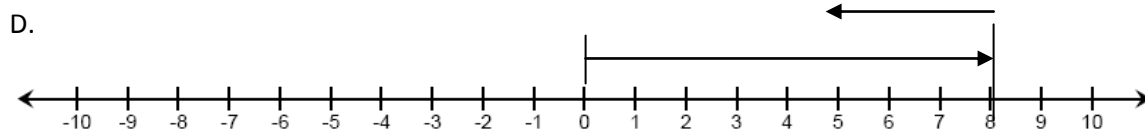
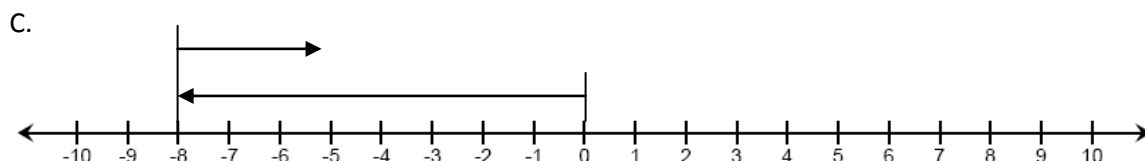
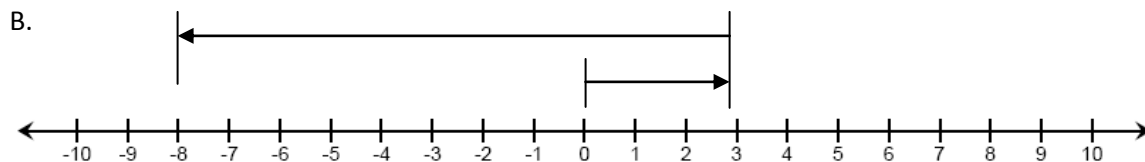
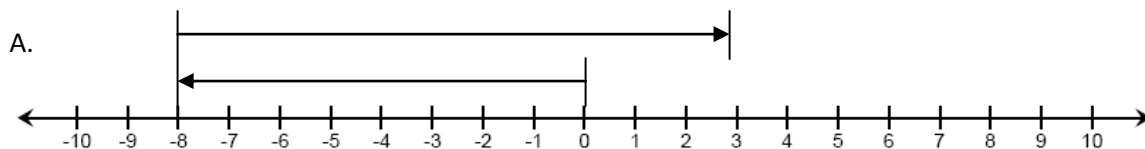
16. Which of the following shows the expression $-10 + (-10) + (-10) + (-10)$ correctly written as a multiplication problem?

- A $4 \cdot -10$ B $4 \cdot -10$
 C $4 \cdot 10$ D $(-10)^4$

17. Lori has lost 3 pounds every week for 12 weeks. What integer represents her total weight loss?

- A -36 lbs B. 36 lbs
 C. -15 lbs D. 24 lbs

18. Which number line below represents the expression $-8 + 3$?



19. A scuba diver is swimming at an elevation of 11 feet below sea level. A hiker is climbing at an elevation of 35 feet above sea level. What is the difference in the elevations of these two people? *Drawing a picture will help you with this problem.*

- A. 46 feet B. 14 feet C. -14 feet D. -46 feet

20. Which expression does NOT give the same result as -3×-5 ?

- A 3×5 B $-45 \div 3$ C $-20 + 35$ D $-20 - (-35)$