

Unit 4 Review Integer Operations

Solve the problems below. Be sure to show your thinking.

1. Which of the following expressions best represents the model below?



- A. $-7 - 5$
B. $-7 + 5$
C. $7 - 5$
D. $-5 - (-7)$

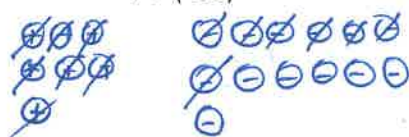
2. Penny and her cousins each have a different bank balance. What is the sum of all of the cousins' bank accounts?

CHILD	BANK BALANCE
Penny	-\$12
Ted	\$8
Holly	-\$5
Jack	\$7

- A. -3
B. 7
C. -2
D. 4

$$-12 + 8 - 5 + 7 = -2$$

3. $7 + (-13)$



$$\underline{-6}$$

4. KCC
 $-4 - 16$

$$-4 + -16$$

All are robbers (-)

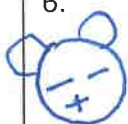
$$\underline{-20}$$

5. $3 - 11$



$$\underline{-8}$$

6. $-5 \cdot 9$



$$\underline{-45}$$

7. $-32 \div 8$



$$\underline{-4}$$

8. $-56 \div (-7)$



$$\underline{8}$$

9. Over a period of 12 hours, the temperature dropped 60°F . What was the average change in temperature in one hour?

$$\underline{-60 / 12}$$

$$\underline{-5^\circ}$$

10. Tessa argues that the absolute value of 24 is greater than the opposite of -18. Is Tessa correct or not? Justify your thinking.

$$\underline{|24| = 24}$$

$$\underline{\text{opp } -18 = +18}$$

Tessa is CORRECT

$$\underline{|24| > 18}$$

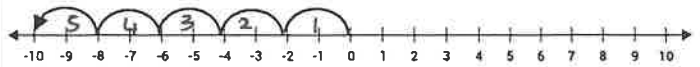
11. True or False.

$$|26| > |-26|$$

$$26 \neq 26$$

12. Which expression best represents the model below?

5 groups of
-2



A. $-10 \cdot 5$

☒ B. $5 \cdot (-2)$

C. $-2 \cdot (-5)$

D. $-10 \cdot 2$

13.

$$-9 + (-9)$$

Robbers + Robbers

$$\underline{-18}$$

14.

$$-6 - (-8)$$

K C C

$$-6 + (+8)$$

$$\underline{+2}$$

15.

$$|4|$$

$$\underline{4}$$

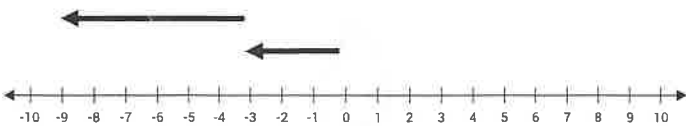
16.



$$-6 \cdot (-12)$$

$$\underline{+72}$$

17. Which of the following expressions best represents the model below?



A. $-6 + 3$

B. $3 - 6$

C. $-6 - (-3)$

☒ D. $-3 - 6$

18. Which of the following expressions best represents the model below?



A. $5 - 7$

B. $5 - 12$

☒ C. $-7 + 12$

D. $-7 + 5$

19. Julio has \$33 dollars in his checking account. He then writes a check for \$42. What is the balance of Julio's bank account?

Write a check means money going out(-) $33 - 42$ $\underline{-9}$

20. A checking account is overdrawn by \$13 on both Friday and Saturday. What is the balance of the bank account?

Overdrawn -13 on Friday
Overdrawn -13 on Saturday
 $-13 + -13$ $\underline{\$-26}$