

Study Guide 7th Grade Math Unit 1

1. Which value is equal to **-8** ?

MGSE.7.NS.1

A. $-(-8)$

B. $|8|$

C. $|-8|$

D. $-|-8|$

2. What is the difference of the highest and lowest elevations at the park?

MGSE.7.NS.1

Location	Elevation
Top of the Mountain	310 feet
Bottom of the Valley	-49 feet

3. Evaluate. **-3 - 11 =**

MGSE.7.NS.1

4. Evaluate. **-15 + 6 =**

MGSE.7.NS.1

5. Evaluate. **-5(-8) =**

MGSE.7.NS.2

6. Evaluate. **-35 ÷ (-7) =**

MGSE.7.NS.2

7. May threw a ball 26 feet in the air and it landed in a ditch that was 9 feet deep. How far did the ball drop from its highest point of 26 feet?

MGSE.7.NS.3

8. A Marine called from Korea to say the temperature had risen 16 degrees since the sun came up. If it was 9°F. when he called, what was the temperature BEFORE the sun came up?

MGSE.7.NS.3

9. Which answer is the **smallest**?

MGSE.7.NS.2

A. $-16 \cdot 8 =$

B. $-16 \div 8 =$

C. $-16 + 8 =$

D. $-16 - 8 =$

10. Which answer is the **largest**?

MGSE.7.NS.2

A. $-16 \cdot 8 =$

B. $-16 \div 8 =$

C. $-16 + 8 =$

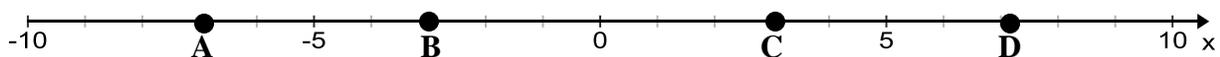
D. $-16 - 8 =$

11. Solve. $-7 + 11 - (-3) =$

MGSE.7.NS.2

12. Which of the following points is found at **-3** ?

MGSE.7.NS.1



A. **A**

B. **B**

C. **C**

D. **D**

13. Barb had \$10 in her bank account. She used her debit card to pay \$41 for dinner. What is the new balance of her bank account after the \$41 is deducted? MGSE.7.NS.3

14. What is the difference in the bank accounts of May and Kay?

MGSE.7.NS.3

Account	Money in Bank
May	\$1,473
Kay	-\$44

15. The submarine dives 2 feet per second. What is its depth after 20 seconds? MGSE.NS7.3

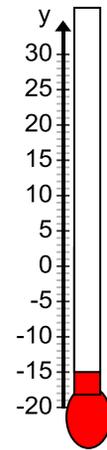
16. Draw a number line with the solution to : $\frac{1}{4} - \frac{1}{2} =$ MGSE.7.NS.1

17. Evaluate. $-\frac{3}{5} + \frac{1}{6} =$ MGSE.7.NS.1

18. Evaluate: $\frac{4(-10+14)}{-2}$ MGSE.NS.2

19. The numerical expression $\frac{1}{4}\left(8 - \frac{1}{2}\right)$ is equal to: MGSE.7.NS.2

20. The thermometer shows the temperature at the North Pole when Chris woke up this morning. The temperature rose 20 degrees by noon. What was the temperature at noon? MGSE.7.NS.1



21. Choose the two in the box that are equivalent to $-\frac{6}{7}$.

- A. **I** and **II**
- B. **II** and **IV**
- C. **III** and **IV**
- D. **I** and **III**

I.	$\frac{6}{-7}$
II.	$\frac{-6}{7}$
III.	$\frac{-6}{-7}$
IV.	$-(-\frac{6}{7})$

MGSE.7.NS.2

22. Evaluate: $(-\frac{3}{5})(\frac{5}{8})$

MGSE.7.NS.2

23. Convert $\frac{4}{5}$ to a decimal.

MGSE.7.NS.2

24. Convert $\frac{25}{4}$ to a decimal.

MGSE.7.NS.2

25. You have 9 math coins and each coin is worth -25 points. How many points is that all together?

MGSE.7.NS.3