Name: ____________________  Class: _______________  Date: _________  ID: A

Accentuate the Negative - Unit Test Review Sheet

Short Answer

1. A football team loses an average of 3 yards per play. How many yards have they lost after 4 plays? Write a number sentence to show your answer.

2. Together, siblings Brandon, Brooke, Trent, and Trisha owe their parents $100. Write a number sentence to show how much each sibling owes if they share the debt equally. (Be sure to use negative numbers where appropriate.)

Find each value.

3. \[ \frac{-24}{-6} \]

4. 20 \((-6)\)

5. \(-12\) \((-10)\)

6. Rewrite these numbers in order from least to greatest.

\[ \frac{2}{5}, 0, \frac{-3}{2}, \frac{-9}{8}, 8 \frac{8}{7} \]

7. Malique wants to take four of her friends to a movie. She knows it costs $5.50 for a ticket and $3.25 for popcorn.

   a. How much will it cost if she pays for the movie and popcorn for all five people?

   b. Write a number sentence to show how you found the total cost.

   c. Write a new number sentence that shows a different way to find the total cost. Explain.

8. Barry plays fullback on his high school football team. Sometimes he gains yardage (+5 means a 5-yard gain). Sometimes he loses yardage (–3 means a 3-yard loss). Determine Barry's total yardage in each game below.

   a. Game 1:  +4  +6  +7  +1  –8

   b. Game 2:  +6  –3  0  +15  –1  +8  +11  –6
Solve the problem.

9. ____ + 21 = 13

10. The temperature for the past 8 hours has been changing at the rate of $-1.5^\circ$ each hour. The meteorologist predicts that the temperature will continue changing like this for the next 6 hours. The present reading is 0°?
   a. What was the temperature reading 7 hours ago?
   b. What temperature is predicted for 6 hours from now?
   c. When was the temperature reading 6°?
   d. When is the temperature expected to be $-8^\circ$?

Multiple Choice
Identify the choice that best completes the statement or answers the question.

___ 1. Choose the symbol that makes this number statement true.

\[ \frac{3}{4} \, ? \, -0.34 \]

A. > B. = C. <

___ 2. \(-\frac{4}{5} + -1.7 = \) 

A. -5.12 B. -2.5 C. -0.9 D. -\(\frac{25}{20}\)

___ 3. \(520 - -264 = \) 

A. 256 B. 344 C. 244 D. 784

___ 4. \(-8 \times 29 = \) 

A. 232 B. -232 C. 211 D. -211

___ 5. \(-23 \div 0.5 = \) 

A. -11.5 B. -46 C. 11.5 D. 46

___ 6. \(-45 + 23 \times 2 - 1 = \) 

A. 43 B. -22 C. 0 D. 68

___ 7. Given the expression \(6 \times (14 - 7)\), find the expression that is NOT equivalent.

A. \((6 \times 14) - 7\) C. \((6 \times 14) - (6 \times 7)\)
B. \(6 \times 7\) D. \((6 \times 14) - (42)\)
8. Graph the integers on a number line.
   \(-5, 3, 1\)
   
   A. ![Diagram A]
   B. ![Diagram B]
   C. ![Diagram C]
   D. ![Diagram D]

9. Graph the points 4, 2, and 5 on a number line.
   
   A. ![Diagram A]
   B. ![Diagram B]
   C. ![Diagram C]
   D. ![Diagram D]

Find the sum.

10. \(15 + 38\)
    A. \(-23\)
    B. \(-53\)
    C. \(53\)
    D. \(23\)

11. \(-30 + (-9)\)
    A. \(-21\)
    B. \(21\)
    C. \(39\)
    D. \(-39\)

Find the absolute value.

12. \(|5|\)
    A. \(5\)
    B. \(-5\)
    C. \(\frac{1}{5}\)
    D. \(-\frac{1}{5}\)

13. Find the absolute value.
    \(|-72|\)
    A. \(-\frac{1}{72}\)
    B. \(-72\)
    C. \(72\)
    D. \(\frac{1}{72}\)

14. Compare. Write <, >, or =.
    \(|11| \quad \square \quad |-3|\)
    A. >
    B. <
    C. =

Find the product.

15. \(10 \times (-2) \times (-7)\)
    A. \(24\)
    B. \(140\)
    C. \(-140\)
    D. \(-24\)
Simplify the product.

16. \(-4 \cdot 10 \cdot 6\)
   A. -240  
   B. -241  
   C. -238  
   D. -40

Name the opposite of the integer.

17. -3
   A. \(-\frac{1}{3}\)  
   B. 3  
   C. -3  
   D. \(\frac{1}{3}\)

Order from least to greatest.

18. -2.69, -1.49, -2.7, -2.66, -3.5
   A. -3.5, -2.7, -2.69, -2.66, -1.49  
   B. -3.5, -2.7, -2.69, -2.66, -1.49  
   C. -1.49, -2.66, -2.69, -2.7, -3.5  
   D. -3.5, -2.7, -2.66, -1.49, -2.69

19. The highest location in a certain country is 14,864 feet above sea level. The lowest point in the same country is 141 feet below sea level.
   a. Find the difference of the two elevations.
   b. A city is 7,642 feet above sea level. Is this elevation closer to the highest point or the lowest point?

   A. 15,005 ft; lowest  
   B. 14,723 ft; lowest  
   C. 14,723 ft; highest  
   D. 15,005 ft; highest

20. Use a number line to add 4 + (-6).

   A.  
   B.  
   C.  
   D.  

21. 104 = v + 54
   A. 50  
   B. 150  
   C. 200  
   D. 100

22. x - 8.7 = 18.6
   A. 37.3  
   B. 32.3  
   C. 27.3  
   D. 9.9
Identify an equation that models the situation and find its solution.

23. Karen wrote a check for $72. She subtracted that amount from her checking account and found that the balance was $383 after writing the check. What was her balance before writing the check?
   A. \( n + 72 = 383 \);
      \( n = 311 \)
   B. \( n - 72 = 383 \);
      \( n = 505 \)
   C. \( n - 72 = 383 \);
      \( n = 455 \)
   D. \( n + 72 = 383 \);
      \( n = 361 \)

Find the value of the expression.

24. \( 4 \times 6 + (5 - 3) \)
   A. 117  B. 12  C. 1.8  D. 3

25. Use the Distributive Property to simplify the expression \( 5 \times 1.9 \).
   A. 7.9  B. 9.5  C. 6.9  D. 19

26. Use the distributive property to find the product.
    \( -5(a + 2) \)
   A. \( -5a - 3 \)  B. \( -5a + 10 \)  C. \( -5a + 2 \)  D. \( -5a - 10 \)
Accentuate the Negative - Unit Test Review Sheet
Answer Section

SHORT ANSWER

1. ANS:
\[-3 \times 4 = -12\]

PTS: 1  DIF: L2  REF: Accentuate the Negative | Check-Up 2
OBJ: Investigation 2: Adding and Subtracting Rational Numbers
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g STA: 7NY 7.N.12 | 7NY 7.N.13
TOP: Problem 2.3 Addition and Subtraction Relationships  KEY: equivalent

2. ANS:
\[-100 \div 4 = -25\]

PTS: 1  DIF: L2  REF: Accentuate the Negative | Check-Up 2
OBJ: Investigation 2: Adding and Subtracting Rational Numbers
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g STA: 7NY 7.N.12 | 7NY 7.N.13
TOP: Problem 2.3 Addition and Subtraction Relationships  KEY: equivalent

3. ANS:
4

PTS: 1  DIF: L2  REF: Accentuate the Negative | Check-Up 2
OBJ: Investigation 3: Multiplying and Dividing Rational Numbers

4. ANS:
\[-120\]

PTS: 1  DIF: L2  REF: Accentuate the Negative | Check-Up 2
OBJ: Investigation 3: Multiplying and Dividing Rational Numbers
5. **ANS:**
120

**PTS:** 1  **DIF:** L2  **REF:** Accentuate the Negative | Check-Up 2

**OBJ:** Investigation 3: Multiplying and Dividing Rational Numbers

**NAT:** CC 7.EE.B.3 | CC 7.NS.A.2 c | CC 7.NS.A.2a | CC 7.NS.A.2b | CC 7.NS.A.2d | CC 7.NS.A.3 | NAEP N3a | NAEP N3d | NAEP N3f | NAEP N3g | NAEP N5e

**STA:** 7NY 7.N.12  **TOP:** Problem 3.3 Introducing Division of Integers

**KEY:** quotient

6. **ANS:**
\[-\frac{3}{2}, -\frac{9}{8}, 0, \frac{2}{5}, \frac{8}{7}\]

**PTS:** 1  **DIF:** L2  **REF:** Accentuate the Negative | Unit Test

**OBJ:** Investigation 1: Extending the Number System

**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g

**TOP:** Problem 1.2  **KEY:** absolute value

7. **ANS:**
   a. $43.75
   b. 5  
   \[5.50 + 5 \quad 3.25 = 43.75\] or
   \[5(5.50 + 3.25) = 43.75\]
   c. Answers may vary. Samples: You can use the Commutative Property to rewrite the following expressions:
   \[5 \quad 5.50 + 5 \quad 3.25 \quad 3.25 + 5 \quad 5.50;\]
   \[5 \quad (5.50 + 3.25) \quad (3.25 + 5.50).\]
   You can use the Distributive Property to rewrite the expression
   \[5 \quad (5.50 + 3.25) \quad 5 \quad 5.50 + 5 \quad 3.25.\]

**PTS:** 1  **DIF:** L2  **REF:** Accentuate the Negative | Unit Test

**OBJ:** Investigation 4: Properties of Operations

**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1d | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e

**STA:** 7NY 7.A.4

**TOP:** Problem 4.3  **KEY:** equivalent expression | Distributive Property

8. **ANS:**
   a. 10 yards gained (+10)

   b. 30 yards gained (+30)

**PTS:** 1  **DIF:** L2  **REF:** Accentuate the Negative | Question Bank

**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers

**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g

**STA:** 7NY 7.N.12 | 7NY 7.N.13

**TOP:** Problem 2.3 Addition and Subtraction Relationships  **KEY:** equivalent
9. ANS: 
   -8

PTS: 1      DIF: L2      REF: Accentuate the Negative | Question Bank
OBJ: Investigation 2: Adding and Subtracting Rational Numbers
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g
STA: 7NY 7.N.12 | 7NY 7.N.13

10. ANS:
a. $7 \times 1.5 = 10.5^\circ$
b. $6 \times -1.5 = -9^\circ$
c. $6 + 1.5 = 4$ hours ago
d. $-8 \div -1.5 = 5 \frac{1}{3}$ hours; or 5 hours, 20 minutes from now

PTS: 1      DIF: L2      REF: Accentuate the Negative | Question Bank
OBJ: Investigation 1: Extending the Number System
NAT: CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g
TOP: Problem 1.3 Using a Number Line Model
KEY: number line

MULTIPLE CHOICE

1. ANS: C      PTS: 1      DIF: L2
   REF: Accentuate the Negative | Multiple Choice
   OBJ: Investigation 1: Extending the Number System
   NAT: CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g
   TOP: Problem 1.2 Comparing and Ordering Positive and Negative Numbers
   KEY: absolute value

2. ANS: B      PTS: 1      DIF: L2
   REF: Accentuate the Negative | Multiple Choice
   OBJ: Investigation 2: Adding and Subtracting Rational Numbers
   NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g
   STA: 7NY 7.N.12 | 7NY 7.N.13
   TOP: Problem 2.1 Introducing Addition of Integers
   KEY: Commutative Property | adding integers

3. ANS: D      PTS: 1      DIF: L2
   REF: Accentuate the Negative | Multiple Choice
   OBJ: Investigation 2: Adding and Subtracting Rational Numbers
   NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g
   STA: 7NY 7.N.12 | 7NY 7.N.13
   TOP: Problem 2.3 Addition and Subtraction Relationships
   KEY: equivalent | subtracting integers | adding integers
4. **ANS:** B  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Multiple Choice  
**OBJ:** Investigation 3: Multiplying and Dividing Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.2a | CC 7.NS.A.2b | CC 7.NS.A.2d | CC 7.NS.A.3 | NAEP N3a | NAEP N3d | NAEP N3f | NAEP N3g | NAEP N5e  
**STA:** 7NY 7.N.12 | TOP: Problem 3.1 Introducing Multiplication of Integers  
**KEY:** product | multiplying integers

5. **ANS:** B  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Multiple Choice  
**OBJ:** Investigation 3: Multiplying and Dividing Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.2a | CC 7.NS.A.2b | CC 7.NS.A.2d | CC 7.NS.A.3 | NAEP N3a | NAEP N3d | NAEP N3f | NAEP N3g | NAEP N5e  
**STA:** 7NY 7.N.12 | TOP: Problem 3.3 Introducing Division of Integers  
**KEY:** quotient | dividing integers

6. **ANS:** C  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Multiple Choice  
**OBJ:** Investigation 4: Properties of Operations  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e  
**STA:** 7NY 7.A.4 | TOP: Problem 4.1 Order of Operations  
**KEY:** order of operations

7. **ANS:** A  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Multiple Choice  
**OBJ:** Investigation 4: Properties of Operations  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e  
**STA:** 7NY 7.A.4 | TOP: Problem 4.2 Distributing Operations  
**KEY:** equivalent expression | Distributive Property

8. **ANS:** B  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Skill Practice Investigation 1  
**OBJ:** Investigation 1: Extending the Number System  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**STA:** 7NY 7.A.1 | TOP: Problem 1.2 Comparing and Ordering Positive and Negative Numbers  
**KEY:** graphing | integers | number line

9. **ANS:** C  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Skill Practice Investigation 1  
**OBJ:** Investigation 1: Extending the Number System  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**STA:** 7NY 7.A.1 | TOP: Problem 1.3 Using a Number Line Model  
**KEY:** opposites | integers | graphing a point

10. **ANS:** C  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Additional Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**STA:** 7NY 7.N.12 | 7NY 7.N.13 | TOP: Problem 2.1 Introducing Addition of Integers  
**KEY:** adding integers | integers
11. ANS: D  
PTS: 1  
DIF: L1  

REF: Accentuate the Negative | Skill Practice Investigation 2  
OBJ: Investigation 2: Adding and Subtracting Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
STA: 7NY 7.N.12 | 7NY 7.N.13  
TOP: Problem 2.1 Introducing Addition of Integers  
KEY: adding integers | integers

12. ANS: A  
PTS: 1  
DIF: L1  

REF: Accentuate the Negative | Skill Practice Investigation 2  
OBJ: Investigation 2: Adding and Subtracting Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
STA: 7NY 7.N.12 | 7NY 7.N.13  
TOP: Problem 2.2 Introducing Subtraction of Integers  
KEY: integers | absolute value

13. ANS: C  
PTS: 1  
DIF: L1  

REF: Accentuate the Negative | Skill Practice Investigation 2  
OBJ: Investigation 2: Adding and Subtracting Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
STA: 7NY 7.N.12 | 7NY 7.N.13  
TOP: Problem 2.3 Addition and Subtraction Relationships  
KEY: absolute value

14. ANS: A  
PTS: 1  
DIF: L2  

REF: Accentuate the Negative | Skill Practice Investigation 2  
OBJ: Investigation 2: Adding and Subtracting Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
STA: 7NY 7.N.12 | 7NY 7.N.13  
TOP: Problem 2.3 Addition and Subtraction Relationships  
KEY: opposites | integers | absolute value

15. ANS: B  
PTS: 1  
DIF: L2  

REF: Accentuate the Negative | Skill Practice Investigation 3  
OBJ: Investigation 3: Multiplying and Dividing Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.2.c | CC 7.NS.A.2 | CC 7.NS.A.2a | CC 7.NS.A.2b | CC 7.NS.A.2d | CC 7.NS.A.3 | NAEP N3a | NAEP N3d | NAEP N3f | NAEP N3g | NAEP N5e  
STA: 7NY 7.N.12  
TOP: Problem 3.1 Introducing Multiplication of Integers | Problem 3.2 Multiplication Patterns  
KEY: multiplying integers | integers

16. ANS: A  
PTS: 1  
DIF: L1  

REF: Accentuate the Negative | Skill Practice Investigation 3  
OBJ: Investigation 3: Multiplying and Dividing Rational Numbers  
NAT: CC 7.EE.B.3 | CC 7.NS.2.c | CC 7.NS.A.2 | CC 7.NS.A.2a | CC 7.NS.A.2b | CC 7.NS.A.2d | CC 7.NS.A.3 | NAEP N3a | NAEP N3d | NAEP N3f | NAEP N3g | NAEP N5e  
STA: 7NY 7.N.12  
TOP: Problem 3.1 Introducing Multiplication of Integers  
KEY: multiplying integers

17. ANS: B  
PTS: 1  
DIF: L1  

REF: Accentuate the Negative | Skill Practice Investigation 1  
OBJ: Investigation 1: Extending the Number System  
NAT: CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
TOP: Problem 1.1 Using Positive and Negative Numbers  
KEY: integers | opposites
18. **ANS:** B  **PTS:** 1  **DIF:** L3  
**REF:** Accentuate the Negative | Skill Practice Investigation 1  
**OBJ:** Investigation 1: Extending the Number System  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1b | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 1.2 Comparing and Ordering Positive and Negative Numbers  
**KEY:** ordering real numbers

19. **ANS:** D  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Skill Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 2.1 Introducing Addition of Integers  
**KEY:** additive inverse | subtracting integers | multi-part question | problem solving | word problem

20. **ANS:** B  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Additional Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 2.4 Fact Families  
**KEY:** inverse operation | algebra | Subtraction Property of Equality | solution

21. **ANS:** A  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Skill Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 2.4 Fact Families  
**KEY:** Addition Property of Equality | algebra | inverse operation | solution

22. **ANS:** C  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Skill Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 2.4 Fact Families  
**KEY:** Addition Property of Equality | algebra | inverse operation | solution

23. **ANS:** C  **PTS:** 1  **DIF:** L2  
**REF:** Accentuate the Negative | Skill Practice Investigation 2  
**OBJ:** Investigation 2: Adding and Subtracting Rational Numbers  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1a | CC 7.NS.A.1b | CC 7.NS.A.1c | CC 7.NS.A.1d | CC 7.NS.A.3 | NAEP N1b | NAEP N1i | NAEP N1j | NAEP N3g  
**TOP:** Problem 2.4 Fact Families  
**KEY:** Addition Property of Equality | algebra | inverse operation | solution | problem solving | word problem

24. **ANS:** B  **PTS:** 1  **DIF:** L1  
**REF:** Accentuate the Negative | Skill Practice Investigation 4  
**OBJ:** Investigation 4: Properties of Operations  
**NAT:** CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1d | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e  
**TOP:** Problem 4.1 Order of Operations  
**KEY:** order of operations | expression
25. ANS: B     PTS: 1     DIF: L1
    REF: Accentuate the Negative | Skill Practice Investigation 4
    OBJ: Investigation 4: Properties of Operations
    NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1d | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e
    STA: 7NY 7.A.4
    TOP: Problem 4.2 Distributing Operations
    KEY: Distributive Property | evaluating expressions

26. ANS: D     PTS: 1     DIF: L1
    REF: Accentuate the Negative | Skill Practice Investigation 4
    OBJ: Investigation 4: Properties of Operations
    NAT: CC 7.EE.B.3 | CC 7.NS.A.1 | CC 7.NS.A.1d | CC 7.NS.A.2 | CC 7.NS.A.2c | CC 7.NS.A.3 | NAEP N3a | NAEP N3f | NAEP N3g | NAEP N5e
    STA: 7NY 7.A.4
    TOP: Problem 4.2 Distributing Operations
    KEY: Distributive Property