Std: 7.N.1

1 Which of the following results in an irrational number?

A. $\sqrt{10}$ B. $\sqrt{16}$ C. $\sqrt{81}$ D. $\pi - \pi$

Level 2

Std: 7.N.1

2. Which set of numbers includes only rational numbers?

A. $\frac{0}{3}$ -4.5 $\frac{-4}{-3}$ $\sqrt{12}$
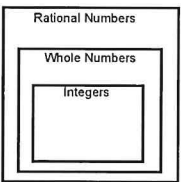
B. $\sqrt{9}$ -2.1 -2.5 $\frac{2}{5}$
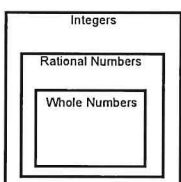
C. $\sqrt{2}$ -4.07 $\sqrt{5}$ $\sqrt{11}$

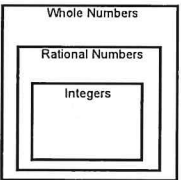D. $\sqrt{7}$ $\sqrt{22}$ $\sqrt{4}$ $\frac{-3}{-4}$

Level 3

Std: 7.N.1

3. Which graphic organizer correctly groups the following number sets?

A.
Rational Numbers
Whole Numbers
Integers

B.
Integers
Rational Numbers
Whole Numbers

C.
Whole Numbers
Rational Numbers
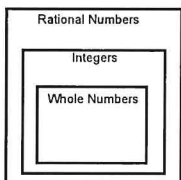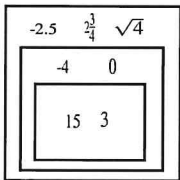Integers

D.
Rational Numbers
Integers
Whole Numbers
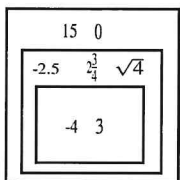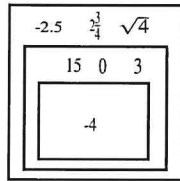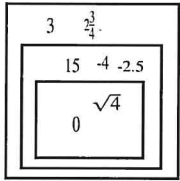
Level 2

Std: 7.N.1

4. Which graphic organizer correctly groups the following numbers?

A.
-2.5 $2\frac{3}{4}$ $\sqrt{4}$
-4 0
15 3

B.
15 0
-2.5 $2\frac{3}{4}$ $\sqrt{4}$
-4 3

C.
-2.5 $2\frac{3}{4}$ $\sqrt{4}$
15 0 3
-4

D.
3 $2\frac{3}{4}$
15 -4 -2.5
$\sqrt{4}$
0

Level 3-4

Std: 7.N.1

5. Which set of numbers is in order from least to greatest?

A. -3.5 , $-\frac{19}{5}$, $-\sqrt{9}$, -9

B. $-\frac{19}{5}$, -9 , -3.5 , $-\sqrt{9}$

C. -9 , $-\frac{19}{5}$, -3.5 , $-\sqrt{9}$

D. -9 , -3.5 , $-\frac{19}{5}$, $-\sqrt{9}$

Level 3

Std: 7.N.2

6. Which of the following expression has a value of -8?

A $(-24) \div (-3)$

B $-(3) \div (-24)$

C $-(-4) \times (-2)$

D $(4) \times (2)$

Level 2

1

7. Simplify:

Std: 7.N.2

$$12.5 \times (-0.25)$$

A - 3.125

B 3.125

C - 50

D 50

Level 2

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8. Josefina walked up a hill with an altitude (height of the hill) of 1200ft. She then descended 800 ft. What integer represents her final altitude?

Std: 7.N.2

A -400

B 400

C -800

D 800

Level 3-4

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9. Simplify:

Std: 7.N.2

$$12 \times (4.5^2 + 10 \div 0.25) + 10$$

A 733

B 833

C -251

D -833

Level 3-4

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10. Simplify:

Std: 7.N.2

$$-5.255 - (-13.35)$$

A -8.095

B -18.605

C 8.095

D 18.605

Level 3

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11. Simplify:

Std: 7.N.2

$$\left| \frac{3}{11} \right| + \frac{2}{5}$$

A $\frac{7}{55}$

B $\frac{-7}{55}$

C $\frac{37}{55}$

D $\frac{-37}{55}$

Level 3

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12. Which expression is equivalent to: $\frac{3}{10}$

Std: 7.N.2

A $\frac{3}{5} - \frac{1}{3}$

B $\frac{4}{5} \times \frac{3}{6}$

C $\frac{4}{5} - \frac{3}{6}$

D $\frac{3}{5} \div \frac{1}{3}$

Level 3