

MS 267

2024 Mathematics

Holiday Packet

(Thanksgiving Holiday Packet)

Grade 7

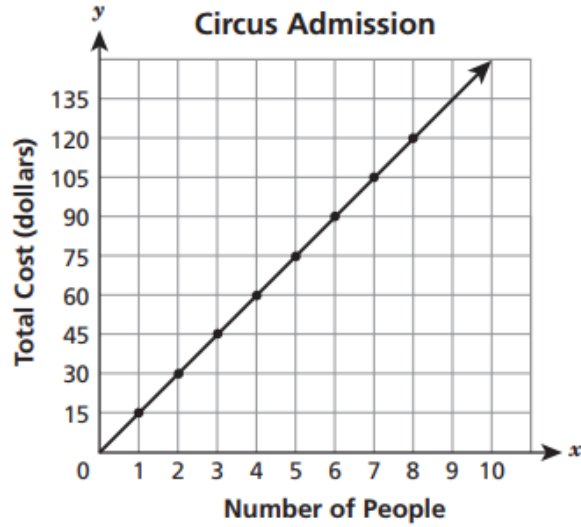
November 28-29, 2024

Name:

<p>1 7.NS,1, d</p>	<p>Yesterday, the temperature at noon was 11.4°F. By midnight, the temperature had decreased by 15.7 degrees. What was the temperature at midnight?</p> <p>A -4.3°F</p> <p>B -11.4°F</p> <p>C -15.7°F</p> <p>D -27.1°F</p>
<p>2 7.NS,1,a</p>	<p>Altitude above sea level is given in positive values and below sea level is given in negative values. Which situation describes a hiker in Death Valley stopping at an altitude of 0 feet?</p> <p>A The hiker starts at -10 feet then increases altitude by 10 feet.</p> <p>B The hiker starts at -10 feet then decreases altitude by 10 feet.</p> <p>C The hiker starts at 10 feet then increases altitude by 10 feet.</p> <p>D The hiker starts at 0 feet then decreases altitude by 10 feet.</p>
<p>3 7.EE,1</p>	<p>The three steps shown below were used to find an expression equivalent to $\frac{2}{5}(15x - 30y) + 10x$.</p> <p>Step 1: <u> ?</u></p> <p>Step 2: $16x - 12y$</p> <p>Step 3: $4(4x - 3y)$</p> <p>Which expression could be used as Step 1?</p> <p>A $\frac{2}{5}(25x - 30y)$</p> <p>B $6x - 12y + 10x$</p> <p>C $6x - 30y + 10x$</p> <p>D $15(x - 2y) + 10x$</p>

4
7.RP,2,d

The graph below shows the relationship between the number of people in a group and the total cost of admission tickets for a circus.



What point on the graph represents the unit rate?

- A** (0, 0)
- B** (1, 15)
- C** (15, 1)
- D** (8, 120)

5
7.NS,3

Evaluate.

$$\left(-\frac{7}{10} + 0.15\right) \div (-0.125)$$

- A** -6.8
- B** -4.4
- C** 4.4
- D** 6.8

<p>6 7.RP,1</p>	<p>A recipe requires $\frac{1}{3}$ cup of milk for each $\frac{1}{4}$ cup of water. How many cups of water are needed for each cup of milk?</p> <p>A $\frac{1}{12}$</p> <p>B $\frac{3}{4}$</p> <p>C $\frac{11}{12}$</p> <p>D $1\frac{1}{3}$</p>
<p>7 7.NS,2,a</p>	<p>What is the product of $\left(-\frac{1}{4}\right) \times \left(-\frac{3}{7}\right)$?</p> <p>A $-\frac{7}{12}$</p> <p>B $-\frac{3}{28}$</p> <p>C $\frac{3}{28}$</p> <p>D $\frac{7}{12}$</p>
<p>8 7.RP,1</p>	<p>Gary buys a $3\frac{1}{2}$-pound bag of cat food every 3 weeks. Gary feeds his cat the same amount of food each day. Which expression can Gary use to determine the number of pounds of cat food his cat eats each year? (1 year = 52 weeks)</p> <p>A $\frac{7}{2} \times \frac{52}{3}$</p> <p>B $\frac{7}{2} \times \frac{3}{52}$</p> <p>C $3\left(\frac{1}{2} \times \frac{3}{52}\right)$</p> <p>D $3\left(\frac{1}{2} \times \frac{52}{3}\right)$</p>

<p>9 7.NS,2, d</p>	<p>What is the decimal equivalent of $\frac{7}{8}$?</p> <p>A 0.780</p> <p>B 0.870</p> <p>C 0.875</p> <p>D 0.885</p>
<p>10 7.NS,3</p>	<p>What is the value of $\left(-\frac{1}{4} - \frac{1}{2}\right) \div \left(-\frac{4}{7}\right)$?</p> <p>A $-1\frac{5}{16}$</p> <p>B $-\frac{3}{7}$</p> <p>C $\frac{3}{7}$</p> <p>D $1\frac{5}{16}$</p>
<p>11 7.NS,3</p>	<p>Travis, Jessica, and Robin are collecting donations for the school band. Travis wants to collect 20% more than Jessica, and Robin wants to collect 35% more than Travis. If the students meet their goals and Travis collects \$43, how much money did they collect in all?</p> <p>A \$106.78</p> <p>B \$128.60</p> <p>C \$136.88</p> <p>D \$144.99</p>

<p>12 7.EE,1</p>	<p>Which expression represents a factorization of $32m + 56mp$?</p> <p>A $8(4m + 7p)$</p> <p>B $8(4 + 7)mp$</p> <p>C $8p(4 + 7m)$</p> <p>D $8m(4 + 7p)$</p>
<p>13 7.NS,3</p>	<p><small>144070151_2</small></p> <p>Amber determined that the expression $\frac{-\frac{1}{2}}{-\frac{41}{15}}$ is equivalent to $\frac{15}{82}$. Which statement describes the process Amber could have used?</p> <p>A She divided $-\frac{1}{2}$ by -15 and then divided the result by 41.</p> <p>B She multiplied $-\frac{1}{2}$ by -15 and then divided the result by 41.</p> <p>C She divided $-\frac{1}{2}$ by -15 and then multiplied the result by 41.</p> <p>D She multiplied $-\frac{1}{2}$ by -15 and then multiplied the result by 41.</p>
<p>14 7.NS,3</p>	<p>A pile of newspapers in Ms. McGrath's art class was $17\frac{3}{4}$ inches high. Each consecutive week, for the next 5 weeks, the height of the pile of newspapers increased by $8\frac{7}{12}$ inches. What was the height, in inches, of the pile after 3 weeks?</p> <p>A $25\frac{3}{4}$</p> <p>B $26\frac{1}{4}$</p> <p>C $42\frac{1}{4}$</p> <p>D $43\frac{1}{2}$</p>

15
7.NS.A1

What is the value of the expression below?

$$-0.75 - \left(-\frac{2}{5}\right) + 0.4 + \left(-\frac{3}{4}\right)$$

- A -1.5
- B -0.7
- C 0.8
- D 2.3

16
7.NS.A2
c

A number, n , is multiplied by $-\frac{5}{8}$. The product is -0.4 . What is the value of n ?

- A $-\frac{16}{25}$
- B $-\frac{1}{4}$
- C $\frac{1}{4}$
- D $\frac{16}{25}$

17
7.NS.A3

What is the value of the expression $\frac{\left(\frac{2}{3} - \frac{5}{6}\right)}{\frac{3}{4}}$?

- A $-\frac{2}{9}$
- B $-\frac{1}{8}$
- C $\frac{1}{8}$
- D $\frac{2}{9}$

<p>18 7.NS.A2 c</p>	<p>What is the value of the expression?</p> $\frac{8}{15} \div (-0.35)$ <p>A $-\frac{75}{14}$</p> <p>B $-\frac{32}{21}$</p> <p>C $-\frac{21}{32}$</p> <p>D $-\frac{14}{75}$</p>
<p>19 7.NS.A1</p>	<p>Which expression is equivalent to $4 - (-7)$?</p> <p>A $7 + 4$</p> <p>B $4 - 7$</p> <p>C $-7 - 4$</p> <p>D $-4 + 7$</p>
<p>20 7.NS.A2 b</p>	<p>The elevation at ground level is 0 feet. An elevator starts 90 feet below ground level. After traveling for 15 seconds, the elevator is 20 feet below ground level. Which statement describes the elevator's rate of change in elevation during this 15-second interval?</p> <p>A The elevator traveled upward at a rate of 6 feet per second.</p> <p>B The elevator traveled upward at a rate of $4\frac{2}{3}$ feet per second.</p> <p>C The elevator traveled downward at a rate of 6 feet per second.</p> <p>D The elevator traveled downward at a rate of $4\frac{2}{3}$ feet per second.</p>

21
7.RP,1/2

A convenience store sells two brands of orange juice. Brand A contains 8 fluid ounces and costs \$1.28. Brand B contains 12 fluid ounces and costs \$1.68.

What is the difference in cost, in dollars, per fluid ounce between the two brands of juice?

Show your work.

22
7.NS,3

Last week Rachel power walked $2\frac{3}{5}$ miles per day on each of the 7 days. During the same week, she also jogged $5\frac{3}{4}$ miles per day on 4 days. What was the total number of miles Rachel power walked and jogged last week?

Show your work.