Name: _____

Daily Math Practice

F

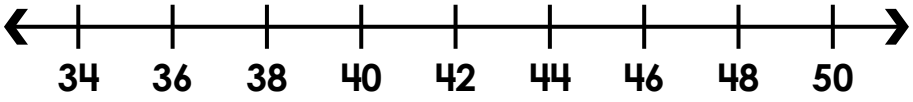
131

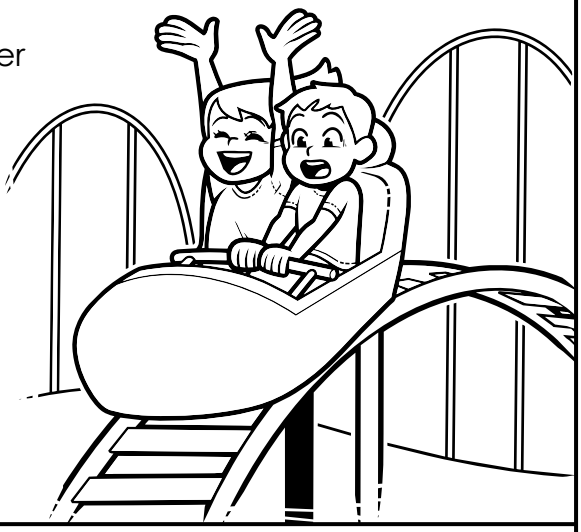
Math Buzz

At the Cedar Point Amusement Park in Ohio, kids between 36 inches and 48 inches tall are allowed to ride the Scrambler if they are accompanied by an adult.

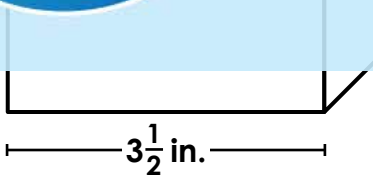
$$36 \geq x \leq 48$$

Represent the height requirements to ride the Scrambler with an adult by graphing the inequality on a number line.





A diagram of a cube is shown.



What is the volume, in cubic inches, of the cube?

answer: _____

Complete the pattern.

3,000 ÷ _____ = 1,000

What is the value of the expression $4b + c^3$ when $b = 6$ and $c = 3$?

answer: _____

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Math Buzz

What is the value of the point on the number line?



Solve using the order of operations.

45 ÷ (15 – 2 × 3) = _____

Multiply.

$$\begin{array}{r} 2{,}683 \\ \times \quad 47 \\ \hline \end{array}$$

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c. 7 cm long, 4 cm wide, 8 cm high

d. 15 cm long, 9 cm wide, 3 cm high

e. 27 cm long, 5 cm wide, 3 cm high



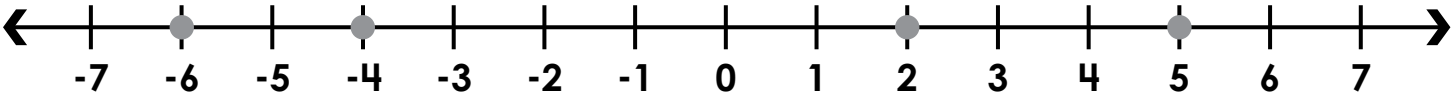
answer: _____

Name: _____

Daily Math Practice
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Math Buzz

Mr. Tucker told his students to graph |−6|, -4, |2|, and 5 on a number line. He asked Archie to put his work on the board. His work is shown below. Did he do it correctly? Explain.



_____

_____

_____

Choose two numbers from the box to complete the addition equation.

How many quarts of liquid does the container hold?

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answer: _____



Mrs. Williams asked 75 sixth-grade students to vote for their favorite sport. The table shows

Dance	15
Soccer	11
Hockey	6
Lacrosse	5

What percentage of students voted for either dance or hockey as their favorite sport?

answer: _____

Name: _____

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Math Buzz

Add. Write your answer in simplest form.

$\frac{1}{6} + \frac{1}{10} =$ _____

Imagine that 12 pigs got into a dumpster behind a sub sandwich shop and ate 4 subs. How many pigs per sub would that be?



Factor using the form a(b + c).

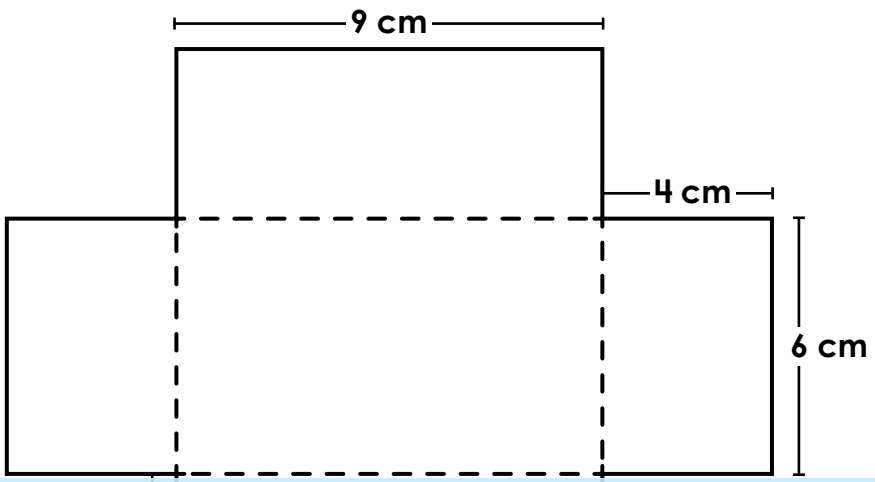
12 + 18 _____

12 + 24 _____

36 + 45 _____

14 + 35 _____

The net of a rectangular prism is shown.



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What is the surface area, in square centimeters, of the rectangular prism?

answer: _____

Name: _____

Daily Math Practice

F

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Math Buzz

Multiply.

4.26 × 3.5 = _____

1.7 × 2.46 = _____

0.49 × 0.8 = _____

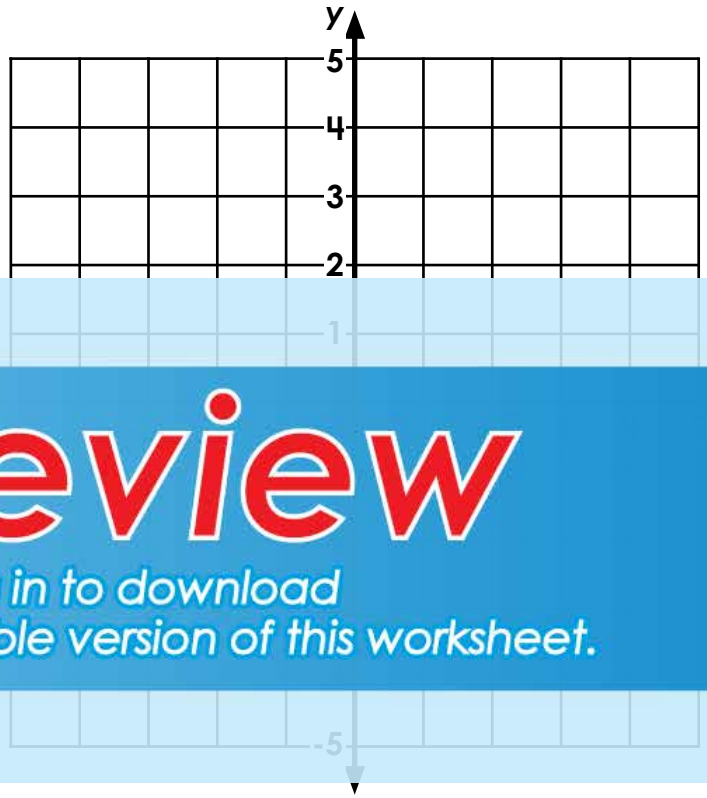
Members of the Kenmore Basketball League sold raffle tickets to help pay for new hoops and nets. On one team, all 9 players sold a minimum of 4 tickets and the most sold was

answer: _____



Plot the following points on the coordinate plane and connect the points in the order they are listed. Then find the area, in square units, of the polygon.

(-3,3), (-3,-3), (1,-3), (1, 3)



answer: _____

Ivy's dad paid $42.94 for 9.5 gallons of gas. What is the cost of one gallon of gas?

answer: _____

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Math Buzz ANSWERS

Daily Math Practice
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$36 \geq x \leq 48$

Represent the height requirements to ride the Scrambler with an adult by graphing the inequality on a number line.



What is the volume, in cubic inches, of the cube?

$V = lwh = (3\frac{1}{2})(3\frac{1}{2})(3\frac{1}{2}) = 42.875$

answer: 42.875 cubic inches

Complete the pattern.

3 ÷ 3 = 1

30 ÷ 3 = 10

300 ÷ 3 = 100

3,000 ÷ 3 = 1,000

What is the value of the expression $4b + c^3$ when $b = 6$ and $c = 3$?

$4(6) + 3^3 = 24 + 27 = 51$

answer: 51

What is the value of the point on the number line?

answer: 0

Solve using

Zdenka's ring box has a volume of 405 cubic centimeters. Select all the possible dimensions of her ring box.

a. 4 cm long, 8 cm wide, 3 cm high

9 cm long, 9 cm wide, 5 cm high

m long, 4 cm wide, 8 cm high

n long, 9 cm wide, 3 cm high

long, 5 cm wide, 3 cm high

answer: 28%

Add. Write your answer in simplest form.

$\frac{1}{6} + \frac{1}{10} = \frac{4}{15}$

$\frac{5}{5} \times \frac{1}{6} \times \frac{1}{10} \times \frac{3}{3} = \frac{5}{30} + \frac{3}{30} = \frac{8}{30} = \frac{4}{15}$

surface area, in square of the rectangular prism?

36 sq. cm

answer: 228 square centimeters

Imagine that 12 pigs got in dumpster behind a sub shop and ate 4 subs. per sub would that

answer: 3 pigs per sub

using the form a(b + c).

+ 18 3(4 + 6)

12 + 24 12(1 + 2)

36 + 45 9(4 + 5)

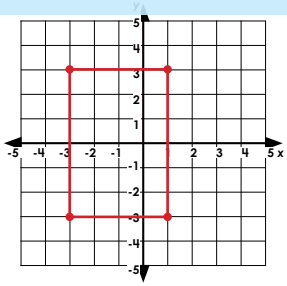
14 + 35 7(2 + 5)

Multiply.

4.26 × 3.5 = 14.91

1.7 × 2.46 = 4.182

0.49 × 0.8 = 0.392



answer: 24 square units

What is the variance (range) between the number of tickets sold by this team?

20 – 4 = 16

answer: 16 tickets

Ivy's dad paid $42.94 for 9.5 gallons of gas. What is the cost of one gallon of gas?

42.94 ÷ 9.5 = $4.52

answer: $4.52 per gallon

RB

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