



Shade the given fraction. Then write an equivalent mixed number.

- A $\frac{13}{3} =$ =
- B $\frac{23}{4} =$ =
- C $\frac{25}{4} =$ =
- D $\frac{38}{5} =$ =
- E $\frac{50}{6} =$ =

5.2B

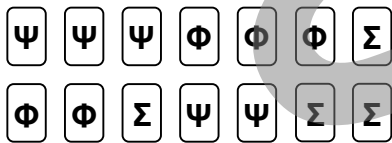
Draw a reflection of each figure.

Figure A Figure B

Figure C Figure D

5.8A

Describe the probability with a fraction.



Assume that 1 card is chosen at random.

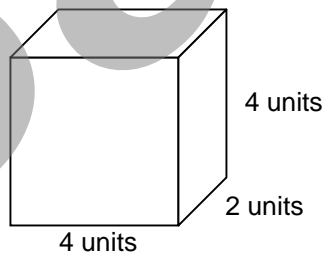
The card will have a Σ : $\frac{4}{14}$

The card will have a Φ :

The card will have a Ψ :

5.12A

Find the volume of the prism.



Volume = length \times width \times height

Volume = cubic units

5.10C

A) Thomas jogs 7 miles on Mondays and Wednesdays. He jogs 8 miles on the other days of the week. How many miles does Thomas jog in 1 week?

B) Ansari sells oranges.

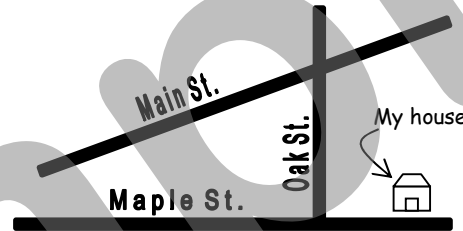


What is the greatest number of oranges you could buy with \$24?

5.14C

5.14A

C) Mario made a map of his neighborhood.



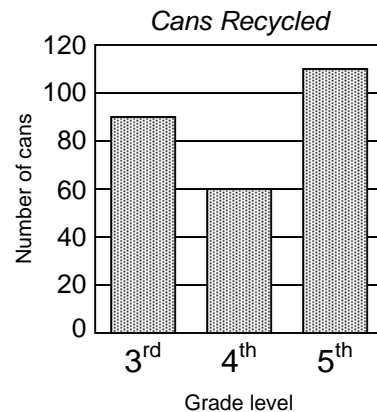
Which street is perpendicular to Oak Street?

5.7A

5.6A

- A) $348 + 6 = P$
- B) $348 - 6 = P$
- C) $348 \times 6 = P$
- D) $348 \div 6 = P$

E) The graph shows the number of cans 3 grades recycled.



Which table matches the data in the graph?

- A)

Grade	Cans
3 rd	100
4 th	60
5 th	120
- B)

Grade	Cans
3 rd	90
4 th	60
5 th	100
- C)

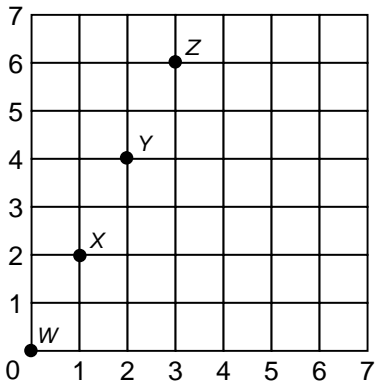
Grade	Cans
3 rd	90
4 th	60
5 th	110
- D)

Grade	Cans
3 rd	90
4 th	60
5 th	120

5.13B



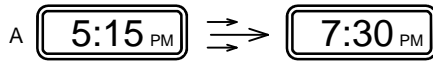
Write the coordinates of each point.



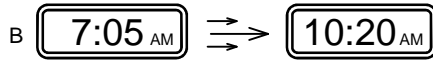
W: _____ X: _____
Y: _____ Z: _____

5.9A

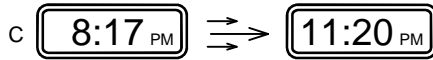
Determine how much time elapses.



_____ hours _____ minutes



_____ hours _____ minutes



_____ hours _____ minutes

5.11B

Multiply the numerator and denominator by 2 to make an equivalent fraction.

A $\frac{1}{2} \times \frac{2}{2} = \frac{2}{4}$

B $\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$

C $\frac{1}{5} \times \frac{2}{2} = \frac{2}{10}$

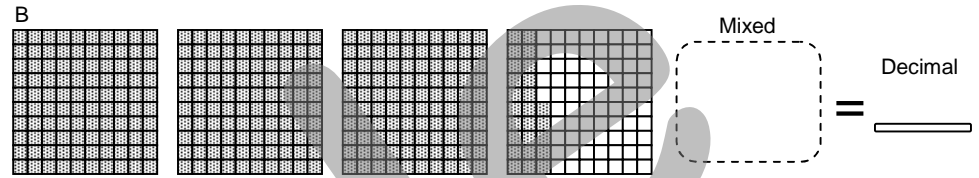
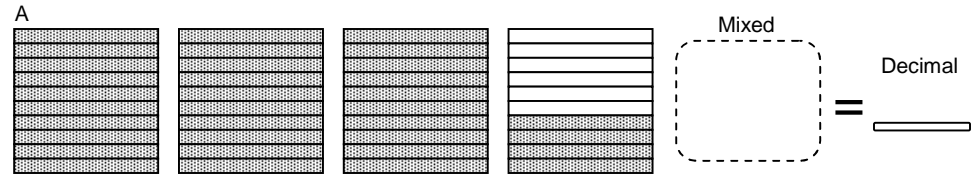
D $\frac{1}{4} \times \frac{2}{2} = \frac{2}{8}$

E $\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$

F $\frac{3}{4} \times \frac{2}{2} = \frac{6}{8}$

5.2A

Describe each model with a mixed number and decimal.



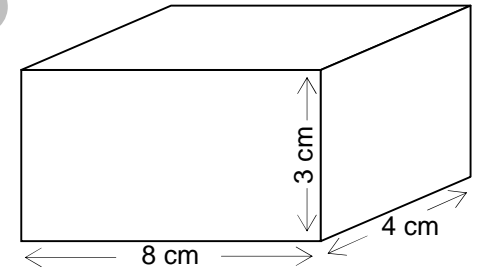
5.2D

A) Lanelle sells exotic fruit.

Papayas	2 for \$3.50
Mangos	3 for \$3.25
Guavas	2 for \$2.50

How much would 4 papayas, 3 mangos, and 1 guava cost altogether?

B) Look at the model of a prism.



What is the volume of the prism in cubic centimeters?

5.14B

5.10C

C) Look at a portion of Aiden's mathematics chart.

Metric	LENGTH
1 kilometer = 1000 meters	
1 meter = 100 centimeters	
1 centimeter = 10 millimeters	

How many meters would be equivalent to $1\frac{1}{2}$ kilometers?

5.10A

D) Paco wrote the factors of 8 and 12.

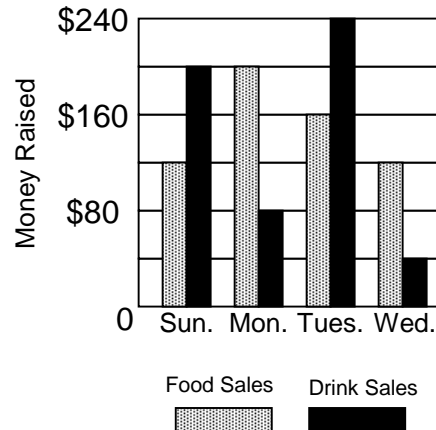
Factors of 8	Factors of 12
1 × 8	1 × 12
2 × 4	2 × 6
	3 × 4

Which lists all of the common factors of 8 and 12?

- A) 1, 2, 4
- B) 1, 2, 4, 6, 8
- C) 1, 2, 3, 4, 8, 12
- D) 1, 2, 3, 4, 6, 12

5.3D

E) *Fundraiser*



Which statement about the information on the graph is true?

- A) \$180 of food was sold on Monday
- B) \$240 of food was sold on Tuesday
- C) \$120 of food was sold on Wednesday
- D) \$200 of food was sold on Sunday

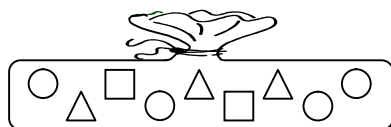
5.13B

Write an equivalent pair of fractions using the lowest common denominator. Compare using $<$, $>$, or $=$.

Set A	Set B	Set C
$\frac{2}{3}$ and $\frac{3}{4}$	$\frac{1}{2}$ and $\frac{3}{7}$	$\frac{6}{8}$ and $\frac{3}{4}$
\downarrow	\downarrow	\downarrow
$\frac{8}{12}$ $\left(< \right)$ $\frac{9}{12}$	— $\left(\bigcirc \right)$ —	— $\left(\bigcirc \right)$ —

5.2C

Describe the probability with a fraction.



Assume that 1 object is chosen at random.

The object will be a square: $\frac{2}{9}$

The object will be a circle:

The object will be a triangle:

5.12A

Write each improper fraction as a mixed number.

A $\frac{3}{2} = 1 \frac{1}{2}$ B $\frac{7}{3} =$

C $\frac{9}{5} =$ D $\frac{13}{2} =$

E $\frac{10}{3} =$ F $\frac{7}{4} =$

5.2B

C) Riley is older than Gabriella but younger than Sophia. Molly is older than Paige but younger than Gabriella. List the girls in order from youngest to oldest.

D) Brooke wrote the factors of 12 and 18. Which lists all of the common factors of 12 and 18?

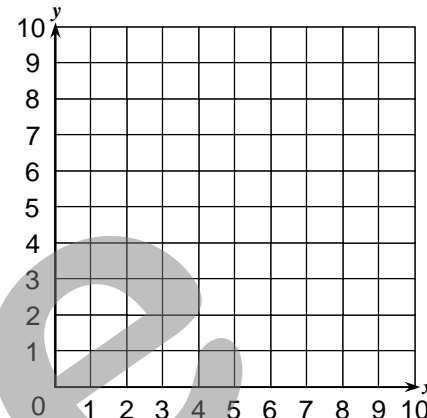
- (A) 1, 2, 3
- (B) 1, 2, 3, 4
- (C) 1, 2, 3, 6
- (D) 1, 2, 3, 6, 9

5.14C

5.3D

Plot each point on the coordinate grid. Connect the points with a line.

x	y	
1	9	$\rightsquigarrow (1, 9)$
2	7	$\rightsquigarrow (2, 7)$
3	5	$\rightsquigarrow (3, 5)$
4	3	$\rightsquigarrow (4, 3)$
5	1	$\rightsquigarrow (5, 1)$



5.13C

A) Sebastian has 6 boxes of model airplanes. The first and second boxes contain 12 models each. The third, fourth, and fifth boxes contain 16 models each. If Sebastian has 90 model airplanes altogether, how many models are in the sixth box?

B) Belita and Matia each drew a parallelogram.

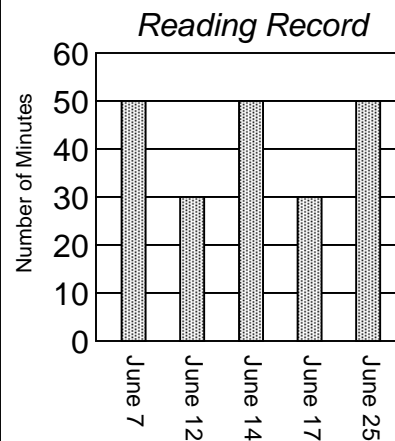


How many obtuse angles does Belita's parallelogram have?

5.14B

5.7A

E) Russell read books on 6 days in June.



Which shows one way to find the total number of minutes he read?

- (A) Multiply 50 by 2, multiply 30 by 3, and then add the products
- (B) Divide 50 by 3, divide 30 by 2, and then add the quotients
- (C) Multiply 50 by 3, multiply 30 by 2, and then add the products
- (D) Add 50 and 30, and then multiply the sum by 6

5.13B

Estimate each quotient by changing the dividend to a compatible number.

A $3 \overline{)170} \rightsquigarrow 3 \overline{)180}$

B $4 \overline{)270} \rightsquigarrow 4 \overline{)}$

C $5 \overline{)340} \rightsquigarrow 5 \overline{)}$

D $6 \overline{)110} \rightsquigarrow 6 \overline{)}$

5.4A

Find the median, mode, and range of the data.

Data Set		
67	64	67
63	57	68
67	80	

Median

Mode

Range

5.13B

Write each fraction in simplest form.

A $\frac{2}{8} = \frac{1}{4}$

B $\frac{2}{10} = \frac{\quad}{\quad}$

C $\frac{6}{15} = \frac{\quad}{\quad}$

D $\frac{14}{21} = \frac{\quad}{\quad}$

E $\frac{9}{24} = \frac{\quad}{\quad}$

F $\frac{70}{90} = \frac{\quad}{\quad}$

5.2A

Determine how much time elapses.

A $6:25 \text{ AM} \Rightarrow 11:30 \text{ AM}$
 _____ hours _____ minutes

B $8:38 \text{ PM} \Rightarrow 10:08 \text{ PM}$
 _____ hours _____ minutes

5.11B

Circle the prime numbers.

- 4 7 9 11
 14 17 23
 25 31 40 43

5.5B

Circle the composite numbers.

- 2 6 13 15
 19 24 26
 27 29 33 47

5.5B

A) Yvonne earns \$8 each hour she babysits. She wants to buy a computer that costs \$470. Estimate how many hours she must babysit to earn enough money to buy the computer.

B) Benton wants to run 1 kilometer. So far, he has run 250 meters. How many more meters does he need to run to reach 1 kilometer?

5.4A

5.10A

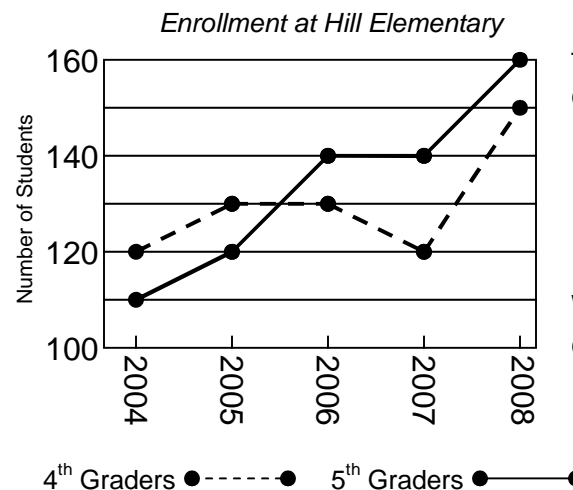
C) Angelo and Tito put together a jigsaw puzzle. Angelo completed $\frac{3}{8}$ of the puzzle and Tito completed $\frac{10}{16}$ of the puzzle. Who completed more of the puzzle—Angelo or Tito?

D) Juniper Forest covers an area of 70 square miles. A square mile is equivalent to 640 acres. How many acres is Juniper Forest?

5.2C

5.3B

E) Look at the line graph.



How many more 5th graders than 4th graders were enrolled in 2006?

- (A) 10 (B) 20
 (C) 120 (D) 130

What is the range of the enrollment in 4th grade?

- (A) 20 (B) 30
 (C) 40 (D) 50

5.13B



Round each amount to the nearest 10 cents.

A \$1.78 ↘ → \$1.80

B \$12.52 ↘ →

C \$26.33 ↘ →

D \$49.67 ↘ →

E \$63.09 ↘ →

F \$75.95 ↘ →

5.4A

Solve each equation.

$$X = (6 \times 9) - (5 \times 8)$$

$$X = \underline{\hspace{2cm}}$$

$$Y = (36 \div 4) \times (18 - 9)$$

$$Y = \underline{\hspace{2cm}}$$

$$Z = (3 \times 17) \div 51$$

$$Z = \underline{\hspace{2cm}}$$

5.6A

Write each mixed number in simplest form.

$$1 \frac{2}{10} = \qquad 2 \frac{6}{9} =$$

$$3 \frac{4}{16} = \qquad 1 \frac{3}{30} =$$

$$2 \frac{6}{18} = \qquad 3 \frac{15}{20} =$$

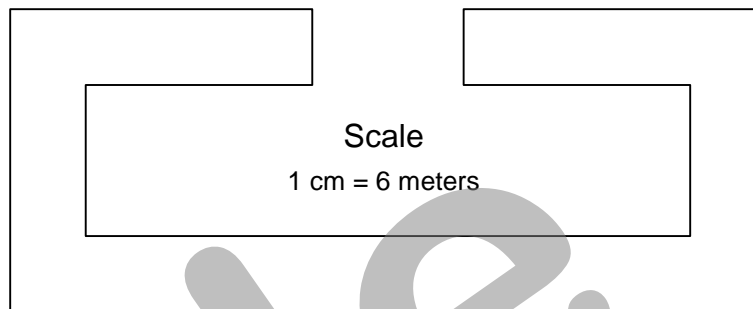
5.2A

Find the median, mode, and range of the data.

Data Set	Median
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1.3 2.0 2.4 5.1 2.5 1.3 3.9 0.1 </div>	_____ _____ _____
	Mode
	Range

5.13B

Use a ruler to measure the perimeter of the model in centimeters. Then apply the scale and calculate the perimeter in meters.



Perimeter = meters

5.10C

A) Alyssa measured the volume of 5 jars.

Jar 1	2.5 liters
Jar 2	2.35 liters
Jar 3	2.2 liters
Jar 4	2.49 liters
Jar 5	2.39 liters

Which jar has a volume greater than 2.4 liters but less than 2.5 liters?

5.1B

B) Cedric bought the items below for lunch.

- Iced Tea.....\$0.89
- Salad.....\$1.79
- Sandwich.....\$3.45
- Fruit.....\$0.99

Estimate (to the nearest dime) how much Cedric spent altogether.

5.4A

C) The table shows the ages of 4 teachers.

Mr. Perea	51
Ms. Torres	63
Mr. Delgado	49
Mr. Cole	43

Which teacher has an age that is a prime number?

5.5B

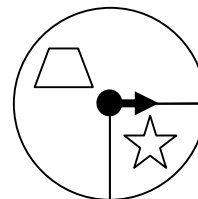
D) Preston found the prime factorization of a number. He wrote it below.

$$2 \times 2 \times 5 \times 13$$

Did Preston find the prime factorization of 81, 100, 260, or 300?

5.5B

E) Sakda has a game spinner.



If he spins the spinner 60 times, how many times is the spinner likely to point to the trapezoid?

- (A) 15 (B) 30 (C) 45 (D) 60

5.12B

F) A chef has $\frac{2}{3}$ pounds of corn and $\frac{2}{3}$ pounds of potatoes. How many pounds of corn and potatoes does the chef have?

- (A) $\frac{4}{6}$ (B) $1 \frac{4}{6}$
 (C) $1 \frac{1}{3}$ (D) $1 \frac{2}{3}$

5.3E