

Test Title: enVisionmath2.0 - Grade 4 End of Year

Student Name :

Date :



Estimate the quotient for $417 \div 6$.

- ☐ A. About 7
- ☐ B. About 50
- ☐ C. About 70
- ☐ D. About 80

Which shows 43,768 rounded to the nearest hundred?

- ☐ A. 43,700
- ☐ B. 43,770
- ☐ C. 43,800
- ☐ D. 44,000



Barbara is shopping for items needed to make cupcakes for a class picnic. She has \$52.

Baking Supplies	
Cupcake Pans	\$12 each
Packages of Baking Cups	\$5 each
Jars of Colored Sugar	3 for \$10
Jars of Sprinkles	\$6 each

Part A

Barbara buys 2 cupcake pans, a package of baking cups, and 6 jars of colored sugar.

How much money does she have left? Enter your answer in the box.

\$



Part B

Barbara's mother gives her \$15 to help buy additional supplies.

Barbara wants to buy another cupcake pan and a jar of sprinkles. Will she have enough money? Explain.

☐ A.

Yes; she will have \$3 left.

☐ B.

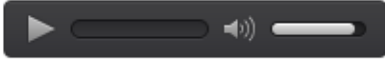
Yes; she will have no money left.

☐ C.

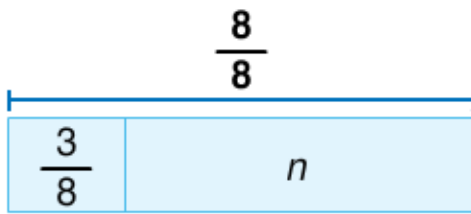
No; she will need another \$2.

☐ D.

No; she will need another \$6.



Charlotte has a piece of yarn in her craft kit. She uses $\frac{3}{8}$ of the length of the yarn to make a bookmark. What part of the yarn is left?

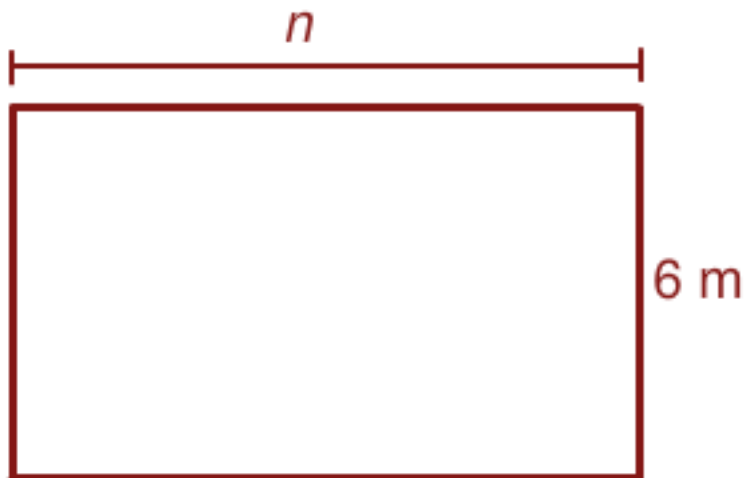


- ☐ A. $n =$
- ☐ B. $n =$
- ☐ C. $n =$
- ☐ D. $n =$



Find n . Then find the perimeter of the figure shown.

Area = 48 square meters



- ☐ A. $n = 6\text{ m}$; $P = 36\text{ m}$
- ☐ B. $n = 8\text{ m}$; $P = 28\text{ m}$
- ☐ C. $n = 18\text{ m}$; $P = 48\text{ m}$
- ☐ D. $n = 18\text{ m}$; $P = 108\text{ m}$



Evan wants to make an array of 32 miniature cars. What are all the different ways Evan can place the cars?

- ☐ A. 1×32 , 2×16 , 16×2 , 32×1
- ☐ B. 1×32 , 2×16 , 3×12 , 4×8 , 32×1
- ☐ C. 1×32 , 2×16 , 3×12 , 4×8 , 8×4 , 12×3 , 32×1
- ☐ D. 1×32 , 2×16 , 4×8 , 8×4 , 16×2 , 32×1



Which will complete the table? Use the rule given to find your answer.

Rule: Multiply by 9

Number of Tables	4	5	6	7
Number of Chairs	36	45		63

- ☐ A. 48 chairs
- ☐ B. 54 chairs
- ☐ C. 57 chairs
- ☐ D. 60 chairs



Donovan plans to ride his bike to the park after school. He knows the distance from school to his home is 3 miles.



Part A

Which of the following statements is true about the diagram?

- ☐ A.

The distance from the park to Donovan's home is greater than the distance from school to the park.

- ☐ B.

The park is closer to school than to Donovan's home.

- ☐ C.

The distance from school to Donovan's home is less than the distance from school to the park.

- ☐ D.

The park is closer to Donovan's home than to the school.



Part B

About how far does Donovan have to ride his bike to go to the park from school?

- ☐ A. About 3 miles
- ☐ B. About 2 miles
- ☐ C. About $1\frac{1}{2}$ miles
- ☐ D. About 1 mile

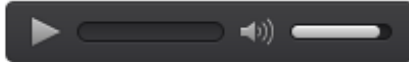


Haley has 16 bracelets. Elena has 4 times as many bracelets as Haley.

Part A

Which equation can you use to find how many bracelets, b , Elena has?

- ☐ A. $16 + 4 = b$
- ☐ B. $16 \times 4 = b$
- ☐ C. $b \times 4 = 16$
- ☐ D. $16 \div 4 = b$

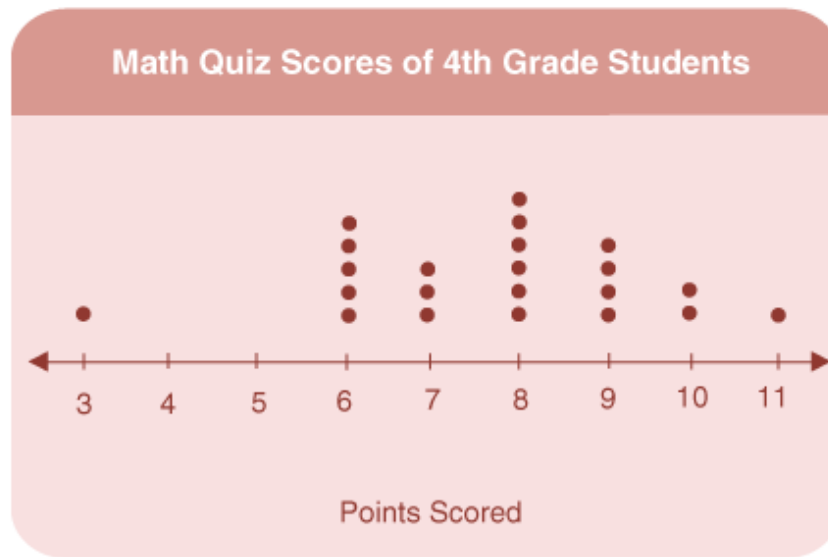
**Part B**

How many bracelets does Elena have? Enter your answer in the box.

bracelets



Which of the following statements are true? Select all that apply.



☐ A.

The line plot shows scores for 21 students.

☐ B.

The score 3 is an outlier.

☐ C.

The highest score is 8.

☐ D.

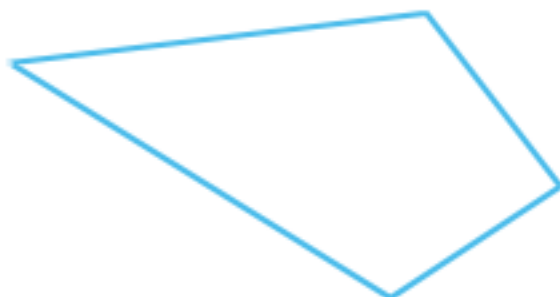
The difference between the highest and lowest score is 8.

☐ E.

More students scored 9 points or more than scored 8 points



Which shows all the names possible for the figure shown?



- ☐ A.

Quadrilateral

- ☐ B.

Quadrilateral, trapezoid

- ☐ C.

Quadrilateral, parallelogram, rhombus

- ☐ D.

Quadrilateral, parallelogram



An after-school program has 7 small buses. Each bus can take 17 students to events.

Part A

Which diagram represents how many students can be taken on the 7 buses?

☐ A. n , number of students

n	n	n	n	n	n	n
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☐ B. n , number of students

17	17	17	17	17	17	17
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☐ C. 17

n	n	n	n	n	n	n
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☐ D. n , number of students

7	17
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**Part B**

Which equation can you use to find the number of students that can be taken on the 7 buses?

- ☐ A. $17 + 7 = n$
- ☐ B. $7 \times 4 = n$
- ☐ C. $17 \times 7 = n$
- ☐ D. $10 + 7 + 7 = n$

**Part C**

How many students can be taken on the 7 buses? Enter your answer in the box.

students



Which lists the geometric terms to describe the figure shown?



- ☐ A.

Ray; \overrightarrow{RST}

- ☐ B.

Acute angle; $\angle RST$

- ☐ C.

Straight angle; $\angle RTS$

- ☐ D.

Obtuse angle; $\angle RTS$



Use the Distributive Property to find the product of $6 \times 3,584$. Enter your answer in the box.



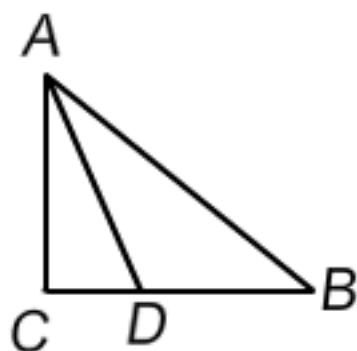
Gavin counted the number of days until the end of school.

If he counted the days in groups of 7, which list shows the numbers Gavin could have named?

- ☐ A. 7, 15, 22, 30
- ☐ B. 7, 14, 21, 30
- ☐ C. 7, 14, 21, 28
- ☐ D. 14, 21, 32, 38



Classify triangle ABD by its sides and then by its angles.
Select the correct terms from the drop-down menus.



Triangle ABD is and .



Sarah is finding $3,408 + 2,250$.

Part A

Which of the following are strategies Sarah can use to find the sum? Select all that apply.

☐ A.



Breaking apart; $3,000 + 2,000 + 400 + 200 + 8$.

☐ B.



Breaking apart; $3,000 + 2,000 + 400 + 200 + 50 + 8$.

☐ C.



Breaking apart; $3,000 + 2,000 + 4,000 + 2,000 + 58$.

☐ D.



Compensation: Find $3,400 + 2,250$; then add 8 to the sum.

☐ E.



Compensation: Find $3,400 + 2,250$; then subtract 8 from the sum.

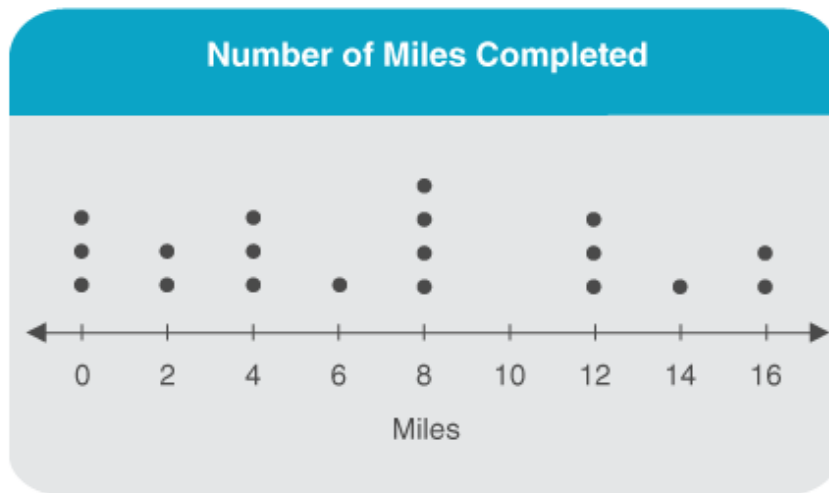


Part B

What is $3,408 + 2,250$? Enter your answer in the box.



Mrs. Black's class participated in a bike challenge to raise money for new computers in the library. How many students completed less than 8 miles for the challenge?



- ☐ A. 19 students
- ☐ B. 9 students
- ☐ C. 6 students
- ☐ D. 4 students



Nora practices the piano 45 minutes per day on Mondays, Tuesdays, and Thursdays. She practices for 78 minutes per day on Wednesdays and Saturdays.

Part A

Which of the statements about Nora's practice times are correct? Select all that apply.

☐ A.



Each week, she spends more time practicing on Wednesdays and Saturdays than on Mondays, Tuesdays, and Thursdays.

☐ B.



In one week, she spends 123 minutes practicing the piano.

☐ C.



To find the number of minutes spent practicing in all on Mondays, Tuesdays, and Thursdays, multiply 45 by 3.

☐ D.



To find the number of minutes spent practicing Wednesdays and Saturdays, multiply 45 by 2.

☐ E.



Nora practices the piano 291 minutes each week.



Part B

How many minutes does Nora practice in 5 weeks? Enter your answer in the box.



Select all answer choices that show a correct comparison.

☐ A. $\frac{1}{2} < \frac{1}{5}$

☐ B. $\frac{3}{5} > \frac{3}{10}$

☐ C. $\frac{2}{8} < \frac{1}{4}$

☐ D. $\frac{5}{6} > \frac{2}{5}$

☐ E. $\frac{5}{10} > \frac{2}{5}$



Zoe uses $1\frac{1}{4}$ cups of flour in each batch of cookies. How much flour will she use in 6 batches?

- ☐ A. $7\frac{1}{4}$ cups
- ☐ B. $7\frac{1}{2}$ cups
- ☐ C. $8\frac{1}{2}$ cups
- ☐ D. 9 cups



Luis uses beads to make key chains. Each key chain uses 7 beads. He has 44 beads.

Part A

How many key chains can Luis make? Enter your answer in the box.

key chains

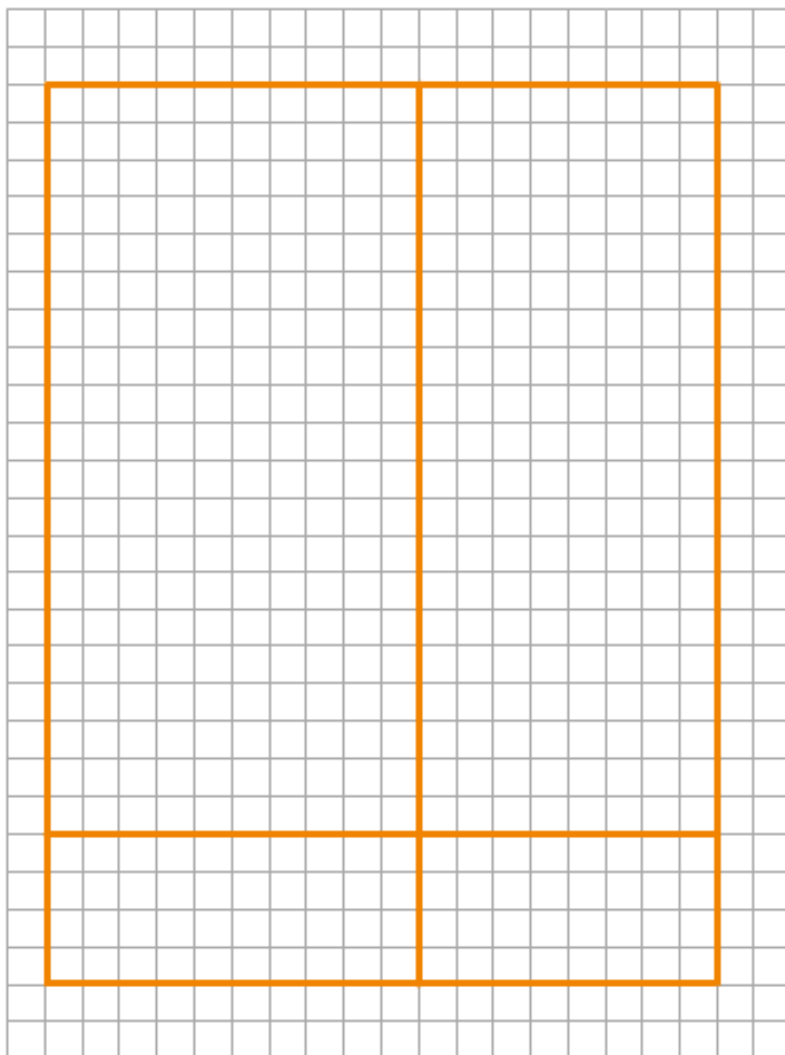
**Part B**

How many beads will be left over? Enter your answer in the box.

beads



Which multiplication problem is modeled by the array?



- ☐ A. $24 \times 18 = 400 + 80 + 160 + 32 = 672$
- ☐ B. $24 \times 18 = 400 + 80 + 80 + 32 = 592$
- ☐ C. $24 \times 18 = 200 + 40 + 160 + 32 = 432$
- ☐ D. $24 \times 18 = 100 + 40 + 160 + 32 = 332$



Valeria, Katie, and Allie sold tickets to the class play.

Portion of Tickets Sold		
Valeria	Katie	Allie
$\frac{5}{6}$	$\frac{2}{5}$	$\frac{5}{8}$

Part A

Allie says she sold the greatest portion of her tickets. Is Allie correct?

Use the drop-down menus to show and explain your answer.

Choose... ; Valeria sold a Choose... portion of her tickets than Allie because $\frac{5}{6}$ Choose... $\frac{5}{8}$.



Part B

Select a name from the drop-down menu to correctly complete the statement.

Choose... sold the least portion of her tickets.



Satish bought a bicycle wheel for \$23.97. How much change should he receive if he gave the cashier two \$20 bills?

- ☐ A. \$6.03
- ☐ B. \$16.03
- ☐ C. \$16.13
- ☐ D. \$17.03



Muriel has been a member of the Solaris Gym for 372 days.

Ben has been a member for 1 year, 2 weeks, 3 days.

Part A

Who has been a member of the Solaris Gym longer?

Use the drop-down menus to show and explain your answer.

Choose...

has been a member longer because 1 year, 2 weeks, 3 days is

Choose..

than 372 days.

**Part B**

How much longer? Assume that it is not a leap year. Enter your answer in the box.

days



Paula's cat weighs $8\frac{5}{8}$ pounds. Caleb's cat weighs $11\frac{1}{8}$ pounds. What is the total weight of both cats?

- ☐ A. $20\frac{6}{8}$ pounds
- ☐ B. $19\frac{6}{8}$ pounds
- ☐ C. $19\frac{5}{8}$ pounds
- ☐ D. $19\frac{6}{16}$ pounds



Bobby wants to arrange 24 baseball cards in an array.

Which of the following shows 3 ways the cards could be displayed?

- ☐ A. 2×12 , 4×4 , 6×8
- ☐ B. 3×12 , 4×6 , 6×6
- ☐ C. 2×12 , 3×8 , 4×6
- ☐ D. 2×14 , 3×8 , 4×6



Gabrielle draws an angle that measures 134° .

She then draws a ray that divides the angle into two non-overlapping angles.

The measure of one angle is 85° .

Part A

Which equation can Gabrielle use to find the measure of the other angle?

☐ A. $134^\circ + 85^\circ = a$

☐ B. $134^\circ \div 2 = a$

☐ C. $134^\circ - 85^\circ = a$

☐ D. $134^\circ + 90^\circ = a$

**Part B**

What is the measure of the other angle? Enter your answer in the box.

 °



There are 47 students in the science club. All but 5 of them went on a field trip to the planetarium. What is the total cost if each student who went on the field trip paid \$7? Enter your answer in the box.

\$