

Test Title: enVisionmath2.0 - Grade 2 - End of Year

— Answer Key —

Student Name :

Date :



Zelda planted 15 flowers.

Nico planted 23 flowers.

Kyla planted 31 flowers.

How many flowers did the three children plant altogether?

☐ A. 46

☐ B. 54

☐ C. 38

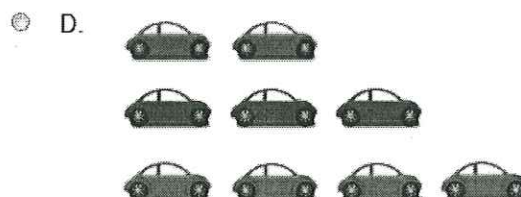
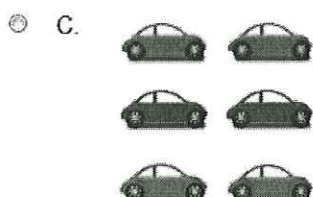
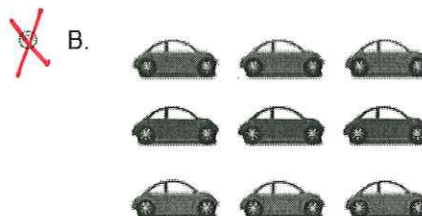
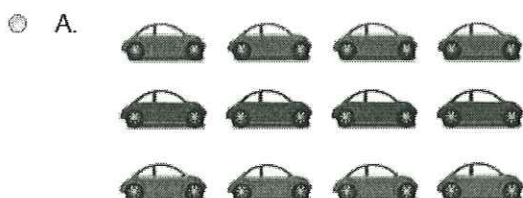
☒ D. 69



**Part A**

Parker lines up his toy cars in 3 rows of 3 cars.

Which group of cars shows the array of Parker's toy cars?



**Part B**

Which equation shows Parker's array of toy cars?

☐ A.  $4 + 4 + 4 = 12$

☐ B.  $3 + 3 = 6$

☒ C.  $3 + 3 + 3 = 9$

☐ D.  $3 + 3 + 3 + 3 = 12$

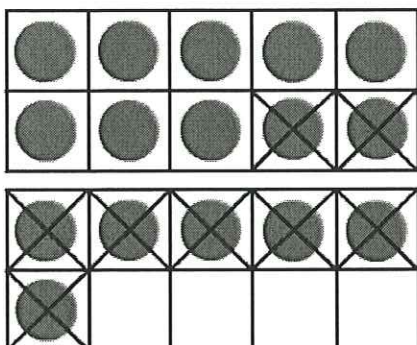


**Part A**

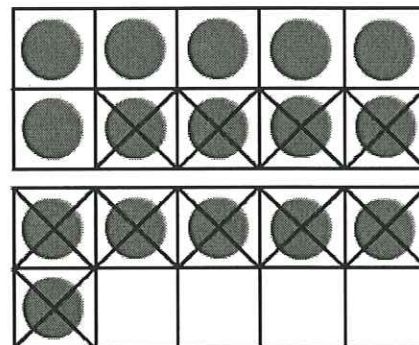
Which model shows how to make a 10 to find  $16 - 8$ ?



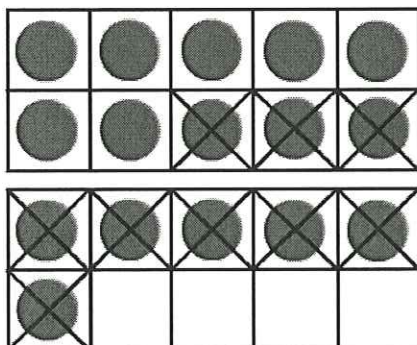
A.



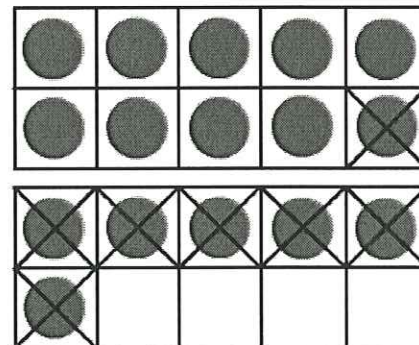
B.



C.



D.



**Part B**

Complete the equation.

Enter your answer in the box.

$16 - 8 =$



Which is equal to  $26 + 47$ ?

Choose all that apply.

☐ A.  $60 + 13$

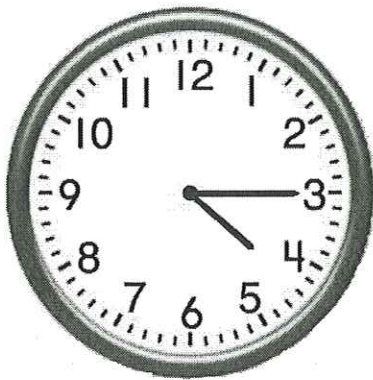
☐ B.  $50 + 33$

☐ C.  $73$

☒ D.  $20 + 40 + 6 + 7$



The clock shows the time that Addie leaves to take her grandma cookies. It takes her 15 minutes to walk to her grandma's house. At what time will Addie arrive at her grandma's house?



Choose all that apply.

☐ A.

quarter past 4

☒ B.

half past 4

☐ C.

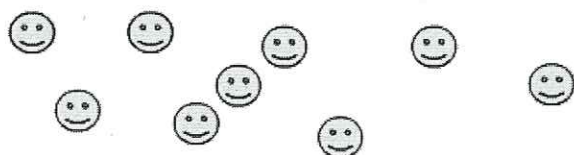
15 minutes after 4

☐ D.

15 minutes before 4

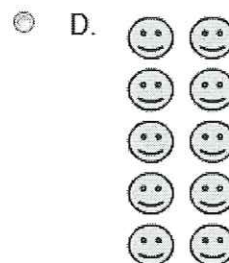
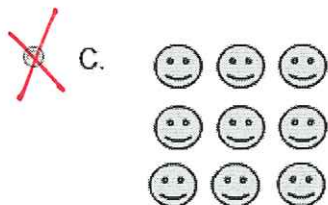
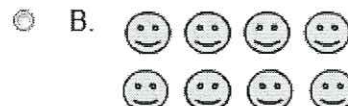
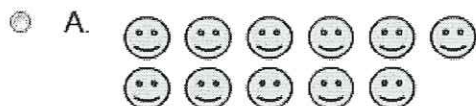


Lamar drew 9 smiley faces.



### Part A

Which shows how Lamar can arrange the smiley faces in an array?



### Part B

How can you tell if 9 is an even or odd number? Complete the explanation.

When I make pairs, there is  left over, so 9 is an  number.

0  
Zero

odd





Darcy needs 58 tomato plants for the garden.  
 She already has 36 tomato plants.  
 Eddie gives her 14 more tomato plants.  
 How many more tomato plants does Darcy need?

**Part A**

Which equations are used to solve the problem?



A.  $36 + 14 = 50$   
 $58 - 50 = 8$

☐ B.  $58 + 14 = 72$   
 $72 - 36 = 36$

☐ C.  $58 + 36 = 94$   
 $94 - 14 = 80$

☐ D.  $36 + 14 = 50$   
 $50 + 58 = 108$



**Part B**

Solve the problem. Enter your answer in the box.

Darcy needs  more tomato plants.





Use the frame to help you solve the problem.

Macy has 42 stickers.

She puts 17 stickers on a pencil box.

How many stickers are NOT on the pencil box?

	Tens	Ones
	<div>3</div>	<div>12</div>
	<div>4</div>	<div>2</div>
-	1	7
	<div>2</div>	<div>5</div>

☐ A. 35

☒ B. 25

☐ C. 59

☐ D. 39



Which is the value of the 9 in the number 956?



9 ones



9 tens



9 hundreds



95 tens

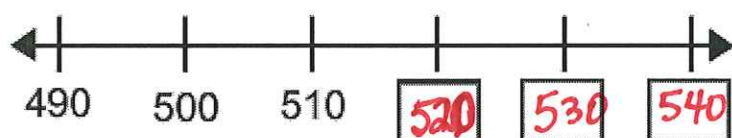


Skip count on the number line.

Drag the numbers into the correct boxes.

Numbers may be used once, more than once, or not at all.

511 520 530 540 515





Mandy has a box full of buttons. She takes out 100 buttons from the box. Now there are 449 buttons in the box.

How many buttons were in the box before Mandy took 100 of them out?

- ☐ A. 649
- ☐ B. 349
- ☒ C. 549
- ☐ D. 459



Is the difference equal to 281?

Choose Yes or No.

Use different strategies to subtract.

500 – 219  *Yes*

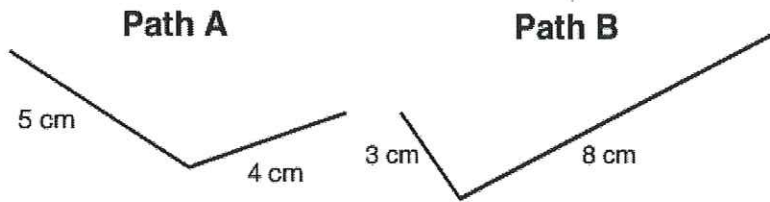
562 – 281  *Yes*

719 – 430  *No*

381 – 100  *Yes*



Use the paths to answer the questions.



**Part A**

Find the length of each path. Enter your answers in the boxes.

Path A:  cm

Path B:  cm



**Part B**

Which path is longer? How much longer?

☐ A.  Path A; 1 centimeter longer

☐ B.  Path A; 2 centimeters longer

☒ C.  Path B; 2 centimeters longer

☐ D.  Path B; 3 centimeters longer



There are 42 ducks on the pond.  
14 ducks fly away.  
How many ducks are left?

**Part A**

Daniel breaks apart 14 as  $12 + 2$ . He knows that  $42 - 12 = 30$  and  $30 + 2 = 32$ .  
Daniel says there are 32 ducks left.

Do you agree or do not agree? Choose...

*No*



**Part B**

Which explains why you agree or do not agree with Daniel's strategy?



Daniel added 2 to 30 to get the correct answer.  $30 + 2 = 32$ , so 32 ducks are left.



Daniel should have subtracted 32 from 40 to get the correct answer.  $40 - 32 = 8$ , so 8 ducks are left.



Daniel should have subtracted 2 from 30 to get the correct answer.  $30 - 2 = 28$ , so 28 ducks are left.



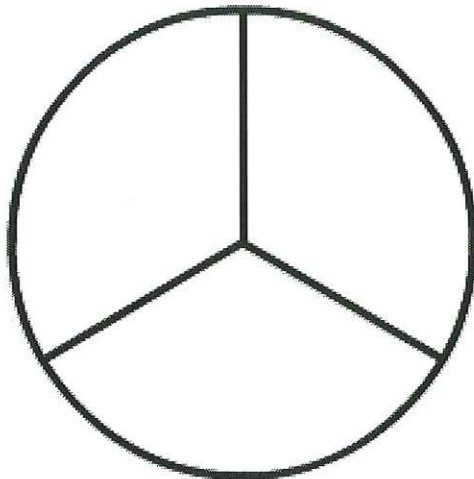
Daniel should have added 14 to 30 to get the correct answer.  $30 + 14 = 44$ , so 44 ducks are left.





This circle is divided into three equal parts.

Which words can you use to correctly describe the whole circle?



☐ A.

two equal shares

☒ B.

three thirds

☐ C.

two halves

☐ D.

one third



Is the statement true?

Choose Yes or No.

$814 < 841$

Choose..



*Yes*

$589 = 598$

Choose..



*No*

$431 < 413$

Choose..



*No*

$347 < 348$

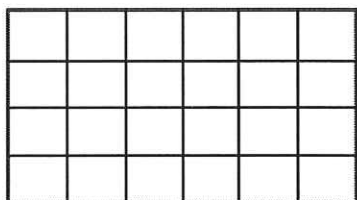
Choose..



*Yes*



Count the number of squares in the rows and columns of the rectangle.



**Part A**

Add by rows to find how many squares are in the rectangle.

Drag the numbers to complete the equation.

Numbers may be used once, more than once, or not at all.

4 6 20 5 24

Rows:  $6 + 6 + 6 + 6 = 24$  squares



**Part B**

Add by columns to find how many squares are in the rectangle.

Drag the numbers to complete the equation.

Numbers may be used once, more than once, or not at all.

6 24 5 20 4

Columns:  $4 + 4 + 4 + 4 + 4 + 4 = 24$  squares

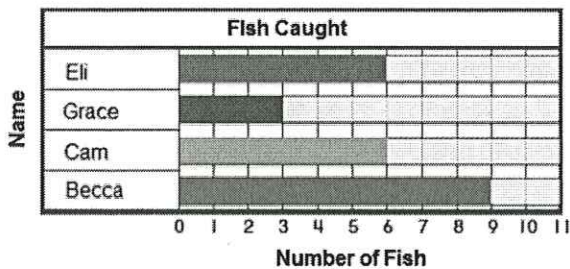


On Saturday, Eli caught 7 fish, Grace caught 3 fish, Cam caught 6 fish, and Becca caught 10 fish.

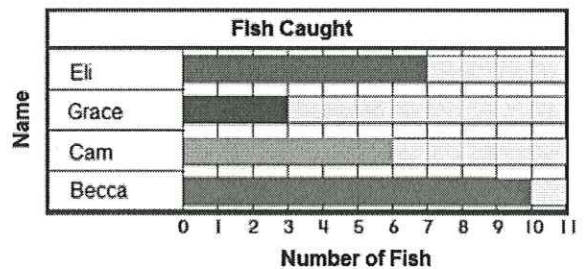
**Part A**

Which bar graph shows these data?

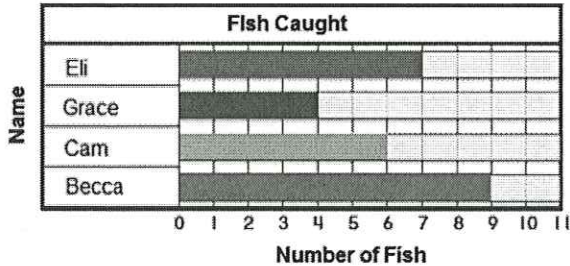
☐ A.



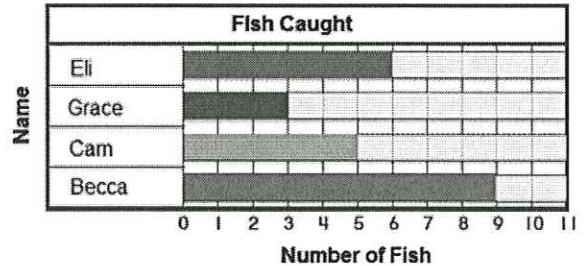
☒ B.



☐ C.



☐ D.



**Part B**

How many more fish did Becca catch than Eli?

Enter your answer in the box.

more fish



Ms. Carter has the dollar bills shown here.



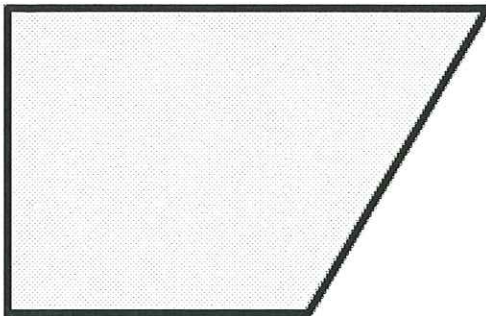
How many dollars does Ms. Carter have?

- ☐ A. \$55
- ☐ B. \$47
- ☒ C. \$56
- ☐ D. \$52





Andre draws a polygon.



Does each statement describe Andre's polygon?

Choose Yes or No.

Andre's polygon has two right angles.  *Yes*

Andre's polygon has 4 right angles.  *No*

Andre's polygon has 4 sides.  *Yes*

Andre's polygon is a quadrilateral.  *Yes*



Carla has a piece of yarn that is 67 centimeters long.  
She measures and cuts off 26 centimeters.  
How much yarn is left?

41 cm

**Part A**

Which tools can you use to solve the problem?  
Choose all that apply.

☒ A. number line

☒ B. paper and pencil

☒ C. centimeter ruler

☐ D. yard stick



**Part B**

Drag tiles to show the equation with a ? for the unknown in the problem.  
Numbers may be used once or not at all.

67 51 93 ? 26

67 - 26 = ?



**Part C**

Solve the problem. How much yarn is left?

Enter your answer in the box.

41 centimeters