

Problem of the Day

Lesson 1

A Pretzel Factory sells pretzels in packs of 10. If the factory makes 65,000 pretzels, how many packs will need to be made? Solve and record your answer below.

Answer: 6,500

Lesson 2

What addition property is modeled below?

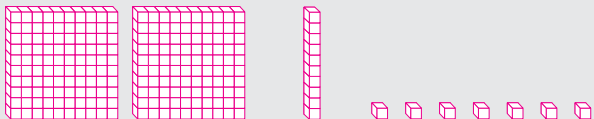
$$5 + (6 + 9) = (6 + 5) + 9$$

Answer: Associative Property

Lesson 3

Model the problem below by drawing Base Ten Blocks and solving for the sum.

$$185 + 32 = \underline{217}$$



Lesson 4

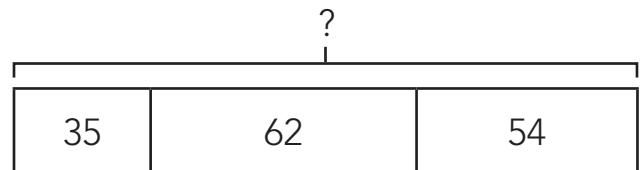
Model the problem below on the number line.

$$30 + 10 + 20 = \underline{60}$$



Lesson 5

Solve the strip diagram below.



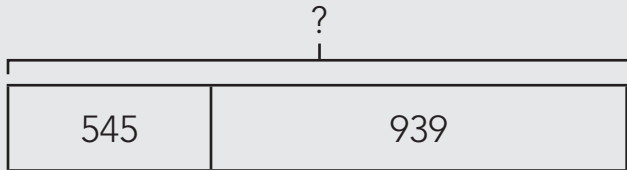
Solve and record your answer below.

Answer: 151

Problem of the Day

Lesson 6

Examine the strip diagram below and solve the problem.



Answer: 1,484

Lesson 7

Andy had 607 gumballs. If Mike has 299 more gumballs than Andy, how many gumballs does Mike have? Solve and record your answer below.

Answer: 906

Lesson 8

Scott scored 189 on his favorite arcade game. If Gina scored the same amount as Scott, how many points did they score in all? Solve and record your answer below.

Answer: 378

Lesson 9

Brigit has 453 roses planted in her backyard. Mia has 321 roses planted in her backyard. Which of the following show the best estimated sum of the number of roses planted in both backyards?

A. $450 + 330 = 780$

B. $450 - 320 = 130$

C. $450 + 320 = 770$

D. $450 - 330 = 120$

Explain why you chose that answer:

Sample answer: 453 rounds down to 450 and 321 rounds down to 320. When you add them together, you get 770 roses.

Lesson 10

Brandon went shopping at the mall with \$100. If Brandon finds a pair of pants for \$32, a shirt for \$15, and a pair of shoes for \$63, does he have enough money to buy all three items? Explain why or why not.

Sample answer: No, he does not have enough money to buy all three items. When you add the items together, their total cost is \$110. He needs \$10 to buy all three items.

Problem of the Day

Lesson 11

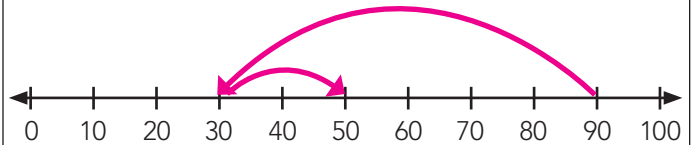
Mac made 50 cupcakes for a birthday party. If he made an additional 75 cupcakes, how many cupcakes has Mac made in all? Solve and record your answer below.

Answer: 125 cupcakes

Lesson 14

Model the problem below on the number line.

$$90 - 60 + 20 = \underline{50}$$



Lesson 12

Model the problem below by drawing Base Ten Blocks and solving for the difference

$$134 - 59 = \underline{75}$$

Lesson 15

Mindy had a box of bows in her closet.

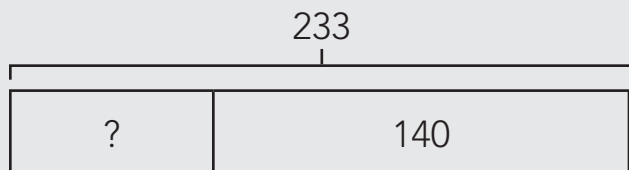
- She had 168 striped bows
- She had 205 polka dot bows
- She gave away 49 of her striped bows

Which equation can be used to show how many bows Mindy has now?

- A. $168 - 205 + 49$
- B. $168 - 49 + 205$**
- C. $49 - 205 - 168$
- D. $205 + 168 + 49$

Lesson 13

Solve the strip diagram below.



Solve and record your answer below.

Answer: 93

Problem of the Day

Lesson 16

Sandy went fishing over the summer and caught a total of 200 fish. If she put 154 of the fish back in the water, how many did she keep? Solve and record your answer below.

Answer: 46 fish

Lesson 17

Mr. Moody sold 451 fishing poles in the month of May. He sold 517 fishing poles in the month of June. What is the difference in the number of fishing poles Mr. Moody sold in June and May? Solve and record your answer below.

Answer: 66 fishing poles

Lesson 18

Which statement is true? Show your work to check each answer choice.

A. $451 - 345 = 106$

B. $566 + 566 = 1,122$

C. $621 - 599 = 32$

D. $725 + 175 = 800$

Lesson 19

Kaylee's Bakery sold the items below.

Items	# of Items
Cupcakes	145
Cakes	203
Cookies	545

How many more cupcakes and cookies were sold than cakes? Solve and record your answer below

Answer: 487

Lesson 20

Wendi went on a cross country road trip with her friend.

- In March they drove 738 miles.
- In April they drove 545 miles.
- In May they drove 919 miles.

How many miles did Wendi and her friend travel over all three months? Solve and record your answer below.

Answer: 2,202 miles

Pre-Assessment

For numbers 1–2, solve the two problems below.

$$\begin{array}{r} 1. \quad 679 \\ + 465 \\ \hline 1,144 \end{array}$$

$$\begin{array}{r} 2. \quad 900 \\ - 549 \\ \hline 451 \end{array}$$

Read each problem and solve.

3. Danny collected 130 sea shells on Monday, 202 on Tuesday, and 145 on Wednesday. How many sea shells did Danny collect in all? Solve the problem and write the answer below.

Answer: 477 sea shells

4. Heidi needs to file 168 pieces of paper. If she has already filed 97, how many papers does she have left to file?
- A. 131
B. 71
C. 81
D. 31
5. Blanket Mart has 100 blankets on their shelf on Monday. By Tuesday, the store only has 54 blankets remaining. How many blankets were sold?
- A. 46
B. 56
C. 44
D. 54

Properties of Addition

COMMUTATIVE PROPERTY

Numbers can be added in any order and the sum will be the same.

Examples:

IDENTITY PROPERTY

The addition of zero and any number is the original number.

Examples:

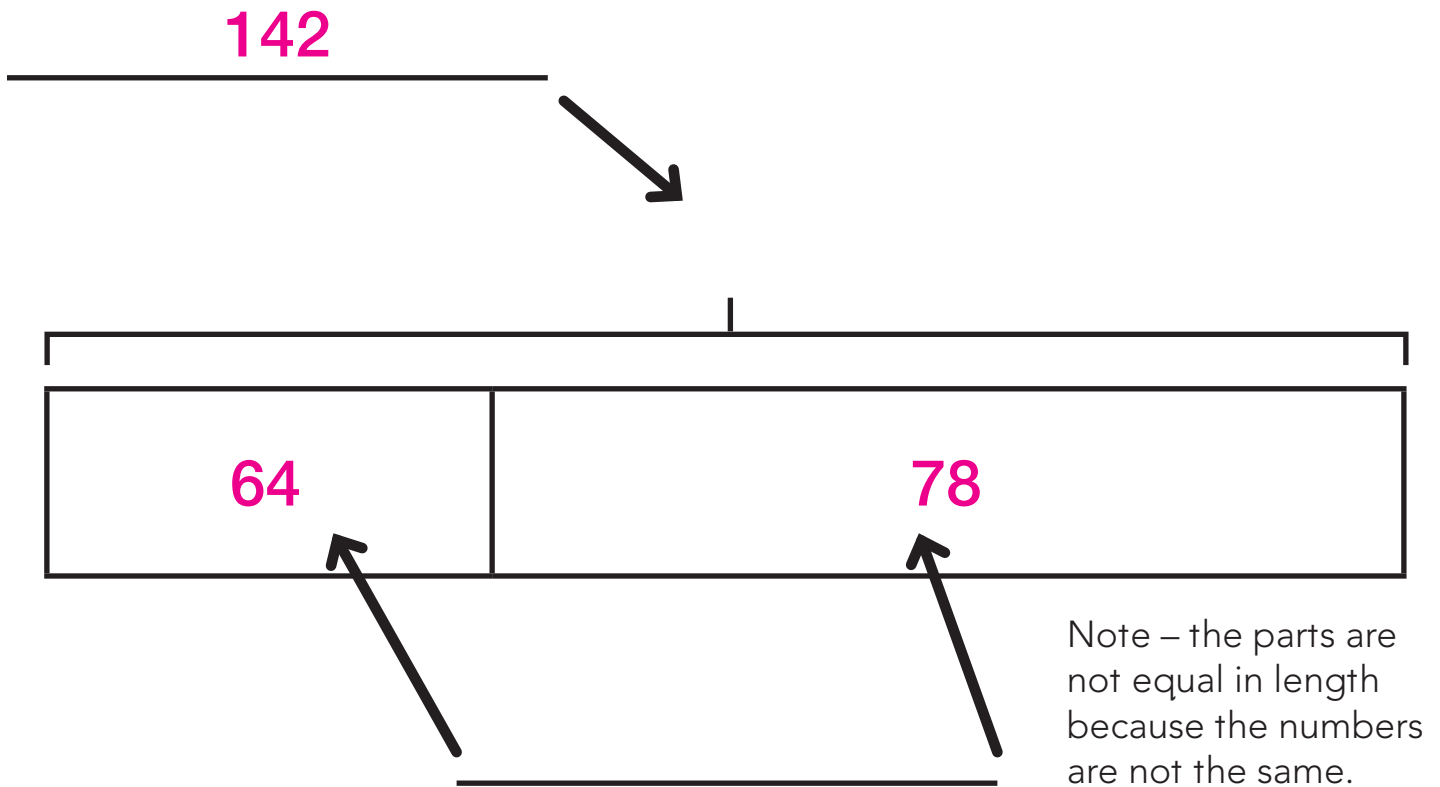
ASSOCIATIVE PROPERTY

Addends can be grouped in any order and the sum will be the same.

Examples:

Addition Strip Diagrams

Example Answer:



Example: Dianna has 64 lemons.
Mack has 78 lemons. How many
lemons do Dianna and Mack have in all?

Addition Quiz

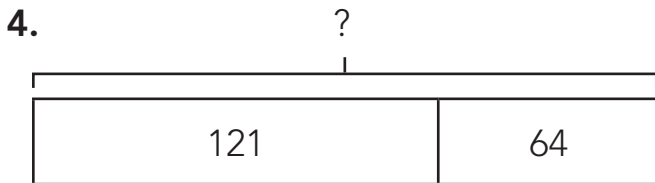
For numbers 1–3, solve the problems.

$$\begin{array}{r} 1. \quad 809 \\ + 568 \\ \hline 1,377 \end{array}$$

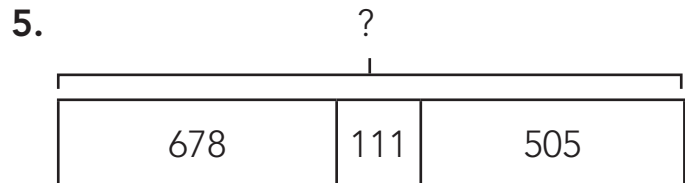
$$\begin{array}{r} 2. \quad 10,456 \\ + 9,390 \\ \hline 19,846 \end{array}$$

$$\begin{array}{r} 3. \quad 9,489 \\ + 9,359 \\ \hline 18,848 \end{array}$$

Solve the strip diagrams below.

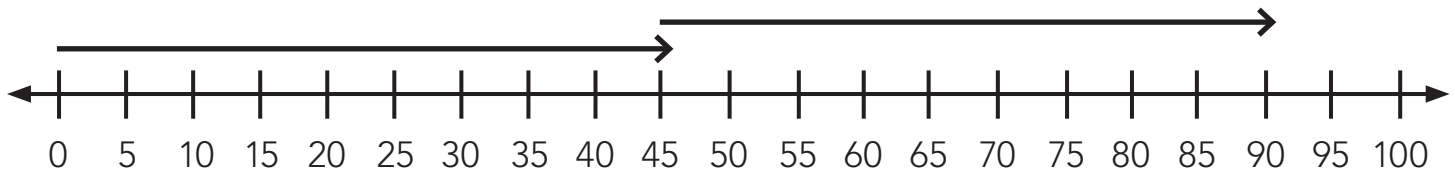


Answer: 185



Answer: 1,294

6. Examine the number line below. Write the equation and solve the problem.



Equation: $45 + 45 = 90$

Solve the problems below. Make sure to show your work and record your answers.

7. Jill baked 65 cupcakes. If Katie made 106 more cupcakes than Jill, how many cupcakes has Katie made?

Answer: 171 cupcakes

8. Fred and Michael went fishing. Fred caught 111 fish and Michael caught 89. How many fish were caught in all?

Answer: 200 fish

9. Sadie collected 132 paperclips on Monday, 200 on Tuesday, and 177 on Wednesday. How many paperclips did Sadie collect on Monday and Tuesday?

Answer: 332 paperclips

10. Estimate the sum of $873 + 590$.

Answer: 1,460

Rules of Subtraction

Utilize these rules to solve subtraction problems.

SUBTRACTION OF ZERO

Any **number** subtracted by the number **zero** will be the same number.

Examples:

Same examples:

$$18 - 0 = 18$$

$$567 - 0 = 567$$

SUBTRACTION OF THE SAME NUMBER

A **number** is subtracted by itself, equaling **zero**.

Examples:

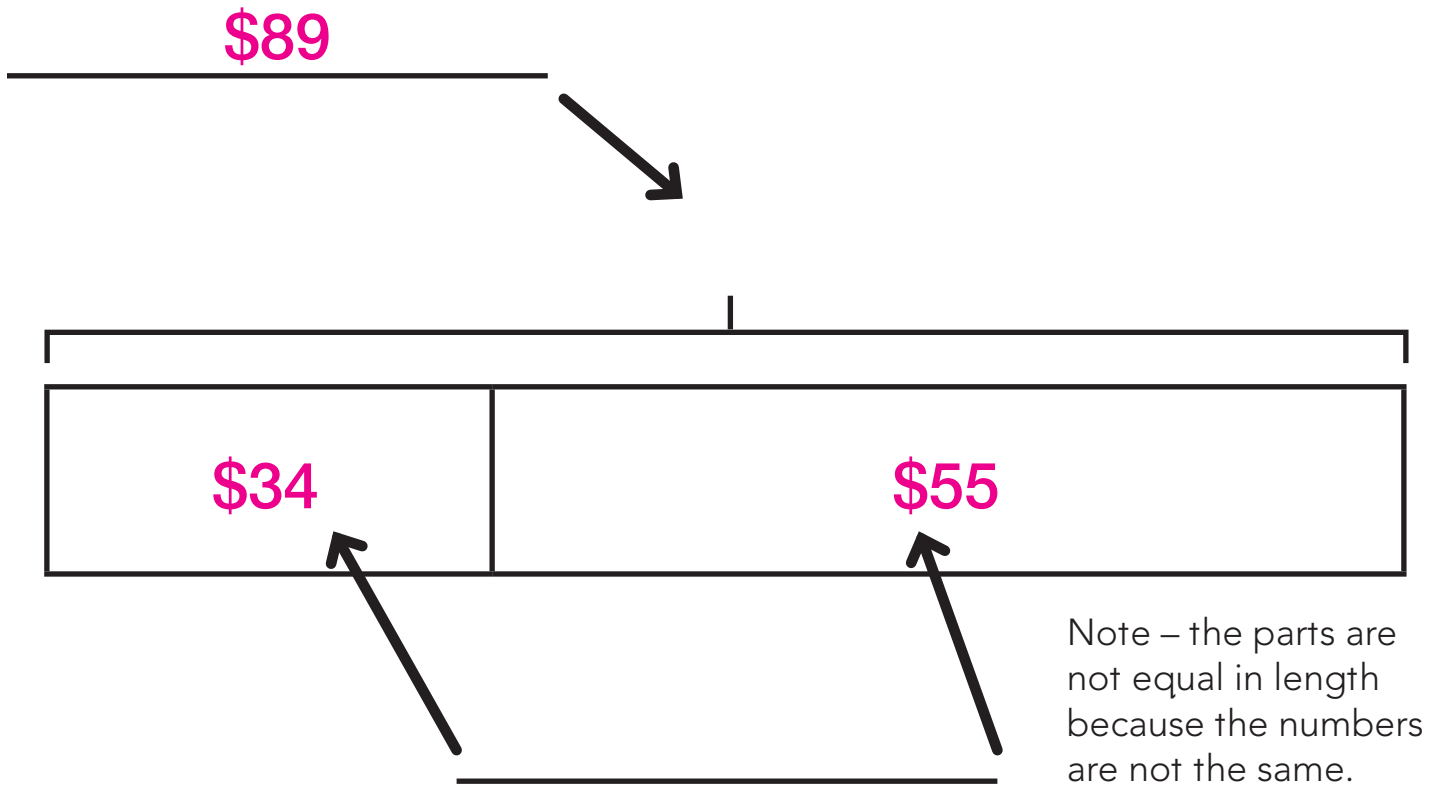
Same examples:

$$77 - 77 = 0$$

$$299 - 299 = 0$$

Subtraction Strip Diagrams

Example Answer:



Example: Frankie spent \$89 on a shopping trip.
If he bought a pair of shoes for \$55,
how much money did he spend on a shirt?

Subtraction Quiz

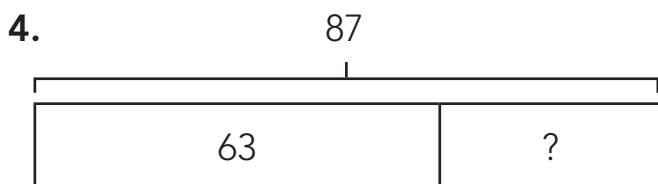
For numbers 1–3, solve the problems.

$$\begin{array}{r} 1. \quad 703 \\ - 566 \\ \hline 137 \end{array}$$

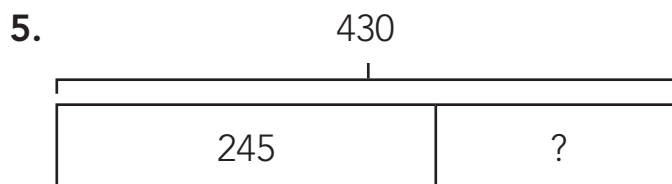
$$\begin{array}{r} 2. \quad 5,000 \\ - 2,882 \\ \hline 2,120 \end{array}$$

$$\begin{array}{r} 3. \quad 9,024 \\ - 6,705 \\ \hline 2,319 \end{array}$$

Solve the strip diagrams below.



Answer: 24



Answer: 185

6. Examine the number line below. Write the equation and solve the problem.



Equation: $100 - 45 = 55$

Solve the problems below. Make sure to show your work and record your answers.

7. Blaire needs to make 150 cookies for the bake sale. She already made 75 cookies. How many more cookies does Blaire need to make?

Answer: 75 cookies

8. Cody and Brandon collected 500 sea shells last weekend. If Cody collected 299 of the sea shells, how many did Brandon collect?

Answer: 201 sea shells

9. A squirrel collected 111 acorns on Monday and 65 on Tuesday. How many more acorns did the squirrel collect on Monday than Tuesday?

Answer: 46 acorns

10. Estimate the difference of $932 - 491$.

Answer: 440

Identify when to Add or Subtract

Read the word problems below. Dissect the problem by showing your strategies and recording your thinking in each box.

Robert and Dylan collect baseball cards. Robert has 329 baseball cards and Dylan has 286 baseball cards. How many baseball cards do the boys have in all?

QUESTION:

What are you being asked to solve?

The total amount of baseball cards.

INFORMATION:

What important information will help you solve?

The number of baseball cards each child has.

CLUE WORDS:

What clue words help you determine the correct operation?

how many, all

OPERATION:

What operation will you use to solve this problem?
Think: is the total amount known or are only the parts?

addition

EQUATION:

Write an equation to help you solve the problem.

$$329 + 286 = ?$$

SOLVE:

Solve the word problem by showing your work.

615 baseball cards

Maggie won 519 tickets playing arcade games. Natalie won 476 tickets.
How many more tickets did Maggie win than Natalie?

QUESTION:

What are you being asked to solve?

How many more tickets Maggie won.

INFORMATION:

What important information will help you solve?

The number of tickets each child has.

CLUE WORDS:

What clue words help you determine the correct operation?

how many more

OPERATION:

What operation will you use to solve this problem?
Think: is the total amount known or are only the parts?

subtraction

EQUATION:

Write an equation to help you solve the problem.

$$519 - 476 = ?$$

SOLVE:

Solve the word problem by showing your work.

43

Identify when to Add or Subtract Cont'd

Read the word problems below. Dissect the problem by showing your strategies and recording your thinking in each box.

Hank and Misty planted 800 flowers in the month of April.
If Hank planted 278 flowers, how many flowers did Misty plant?

QUESTION:

What are you being asked to solve?

How many flowers Misty planted.

INFORMATION:

What important information will help you solve?

The number of flowers planted.

CLUE WORDS:

What clue words help you determine the correct operation?

how many did Misty plant

OPERATION:

What operation will you use to solve this problem?
Think: is the total amount known or are only the parts?

subtraction

EQUATION:

Write an equation to help you solve the problem.

$800 - 278 = ?$

SOLVE:

Solve the word problem by showing your work.

522 flowers

Kevin and Cody started a lawn mowing business. If Kevin earned \$165 and Cody earned \$205 dollars, how much money did the boys earn in all?

QUESTION:

What are you being asked to solve?

How much money the boys earned.

INFORMATION:

What important information will help you solve?

The amount of money each child earned.

CLUE WORDS:

What clue words help you determine the correct operation?

how many, all

OPERATION:

What operation will you use to solve this problem?
Think: is the total amount known or are only the parts?

addition

EQUATION:

Write an equation to help you solve the problem.

$\$165 + \$205 = ?$

SOLVE:

Solve the word problem by showing your work.

\$370

Identify when to Add or Subtract Quiz

Read each problem below. Determine whether you need to add or subtract, then solve.

On Friday, Gail worked with her dad to plant 18 bushes in their yard. On Saturday, Gail and her dad planted 21 bushes and another 6 bushes on Sunday. How many bushes did Gail and her dad plant in all?

Answer: 46 bushes

Lilly and Sarah have 56 shirts combined in their closets. If Lilly has 34 shirts in her own closet, how many shirts does Sarah have?

Answer: 22 shirts

Jake and Tammy took pictures on their family vacation to the mountains. Jake took 296 pictures and Tammy took 89 pictures. How many pictures did the two kids take combined?

Answer: 385 pictures

Trevor and Denise went to the arcade to play games. Trevor won 643 tickets and Denise won 497. How many more tickets did Trevor win than Denise?

Answer: 146 tickets

Assessment

For numbers 1–4, solve the problems below.

$$\begin{array}{r} 1. \quad 679 \\ - 465 \\ \hline 214 \end{array}$$

$$\begin{array}{r} 2. \quad 900 \\ - 549 \\ \hline 451 \end{array}$$

$$\begin{array}{r} 3. \quad 4,935 \\ - 1,487 \\ \hline 3,448 \end{array}$$

$$\begin{array}{r} 4. \quad 8,532 \\ - 4,987 \\ \hline 3,545 \end{array}$$

Read each problem below and solve.

5. Denise modeled the addition property below.

$$0 + 21 = \square$$

Write the missing number: 21

6. Michael collected 458 shells on the beach and Mark collected 399. About how many shells do the two boys have in all?

A. 800

B. 860

C. 850

D. 870

7. Christopher read for 300 hours over the summer. Shelby read for 176 hours. How many more hours did Christopher read than Shelby? Show your work and record your answer below.

Answer: 124 hours

8. Becca sold 805 boxes of Girl Scout Cookies. If Rita sold 279 less than Becca, how many boxes of Girl Scout Cookies did Rita sell?

Answer: 526 boxes of Girl Scout Cookies

Read each problem below and solve.

9. The Kingsville High School baseball team raised \$466 during a fundraiser. The softball team worked for 76 hours and raised \$599 dollars. How much money did the two teams raise? Show your work and record your answer below.

Answer: \$1,065

10. Terry had two boxes of bows.
- She had 54 polka dot bows in the first box.
 - She had 38 striped bows in the second box.
 - She gave 15 polka dot bows to her cousin.

Which number sentence shows the number of bows that Terry had left in her two boxes?

A. $54 + 38 + 15 = ?$

B. $54 - 38 - 15 = ?$

C. $54 + 38 - 15 = ?$

D. $54 - 38 + 15 = ?$

11. Marty started with \$200 in her bank account. She put \$192 dollars into her account one week and \$89 the next week. How much money does Marty have in her bank account now? Show your work and record your answer in the blank below.

Answer: \$481

12. Walter's bakery made 125 cupcakes on Monday and 300 cupcakes on Tuesday. What is the difference between the number of cupcakes made on these two day? Show your work and record your answer below.

Answer: 275 cupcakes

Read each problem below and solve.

13. Carol hung three paintings on her wall.
- The first painting was 24 inches long.
 - The second painting was 64 inches long.
 - The third painting was 24 inches long

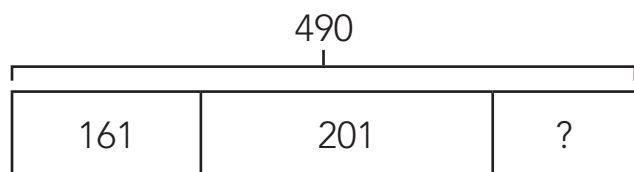
What is the best estimate for the total length of all three paintings?

- A. 80 inches
B. 90 inches
C. 100 inches
D. 110 inches

14. Kendal planted 309 seeds on Monday, 155 on Tuesday, and 252 on Wednesday. How many more seeds did Kendal plant on Tuesday and Wednesday than on Monday? Show your work and record your answer below.

Answer: 98 seeds

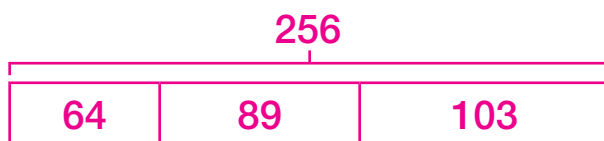
15. Megan took a survey of eye color at her school. Megan surveyed 490 students. 161 of the students have blue eyes, 201 have brown eyes.



Which equation could be used to find how many students have green eyes?

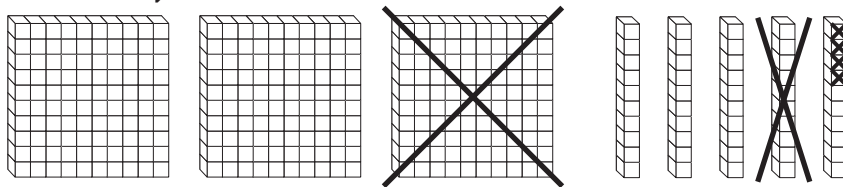
- A. $490 + 161 + 201 = ?$
B. $490 - (161 + 201) = ?$
C. $490 + (161 - 201) = ?$
D. $201 - 161 + 490 = ?$

16. Draw a strip diagram to model the equation $64 + 89 + 103 = ?$. Then solve for the sum.



Read each problem below and solve.

17. Wendy used place value blocks to model the problem below.
Which equation shows what she modeled?



- A. $350 + 114$
B. $340 + 115$
C. $340 - 115$
D. $350 - 114$

18. Sadie's Snow Cone Shop has three flavors to choose from at their store.
Below is the number of people that ordered each flavor last week.

- 315 strawberry
- 260 lime
- 199 grape

Which expression shows the best way to estimate the difference in the number of strawberry and grape snow cones that were sold?

- A. $300 - 190$
B. $300 + 190$
C. $300 - 200$
D. $310 + 200$

19. Randi and Adrian have 45 shirts in their closets. If Adrian has 19 shirts, how many shirts does Randi have? Show your work and record your answer below.

Answer: 26 shirts

20. Estimate the sum of $547 + 298$. Show your work and record your answer below.

Answer: 850