

Name _____ Date _____

<p style="text-align: center;">(1D)</p> <p>1. What is the value of 6 in the number 62?</p> <p><input type="radio"/> 2</p> <p><input type="radio"/> 6</p> <p><input type="radio"/> 20</p> <p><input type="radio"/> 60</p>	<p style="text-align: center;">(1D)</p> <p>5. What is the value of 3 in the number 935?</p> <p><input type="radio"/> 3</p> <p><input type="radio"/> 30</p> <p><input type="radio"/> 300</p> <p><input type="radio"/> 3000</p>
<p style="text-align: center;">(1D)</p> <p>2. What is the value of 8 in the number 851?</p> <p><input type="radio"/> 8000</p> <p><input type="radio"/> 800</p> <p><input type="radio"/> 80</p> <p><input type="radio"/> 8</p>	<p style="text-align: center;">(1D)</p> <p>6. In which number does the hundreds place have the greatest value?</p> <p><input type="radio"/> 279</p> <p><input type="radio"/> 792</p> <p><input type="radio"/> 927</p> <p><input type="radio"/> 297</p>
<p style="text-align: center;">(1D)</p> <p>3. What is the value of 4 in the number 904?</p> <p><input type="radio"/> 0</p> <p><input type="radio"/> 4</p> <p><input type="radio"/> 40</p> <p><input type="radio"/> 400</p>	<p style="text-align: center;">(1D)</p> <p>7. In which number does the tens place have the least value?</p> <p><input type="radio"/> 692</p> <p><input type="radio"/> 851</p> <p><input type="radio"/> 937</p> <p><input type="radio"/> 474</p>
<p style="text-align: center;">(1D)</p> <p>4. What is the value of 7 in the number 57?</p> <p><input type="radio"/> 5</p> <p><input type="radio"/> 7</p> <p><input type="radio"/> 12</p> <p><input type="radio"/> 35</p>	<p style="text-align: center;">(1D)</p> <p>8. The value of 49 would change by how much if 8 replace 9?</p> <p><input type="radio"/> 1</p> <p><input type="radio"/> 10</p> <p><input type="radio"/> 100</p> <p><input type="radio"/> 1000</p>

(1D)

9. The value of 825 would change by how much if 2 were replaced by 7?

- 20
- 50
- 70
- 90

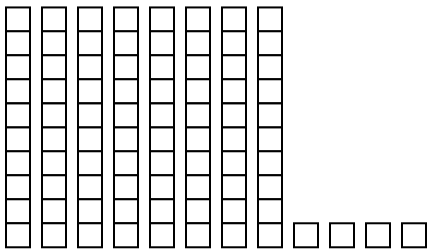
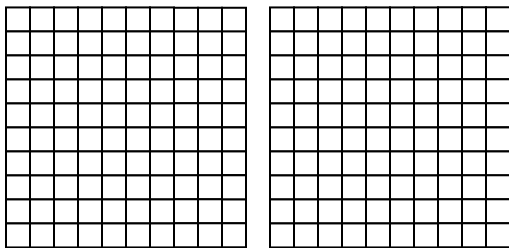
(1D)

10. The value of 894 would change by how much if 6 replaced 8?

- 60
- 80
- 200
- 600

(2A)

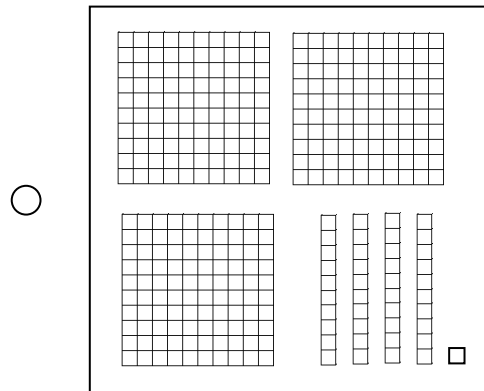
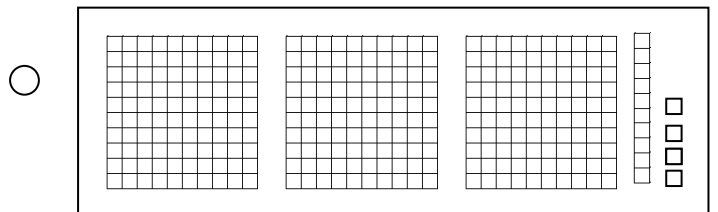
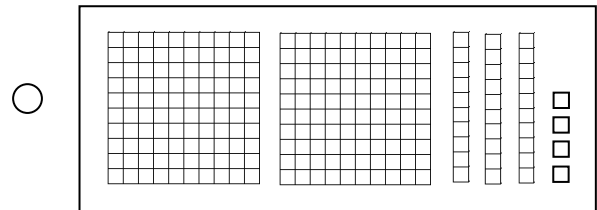
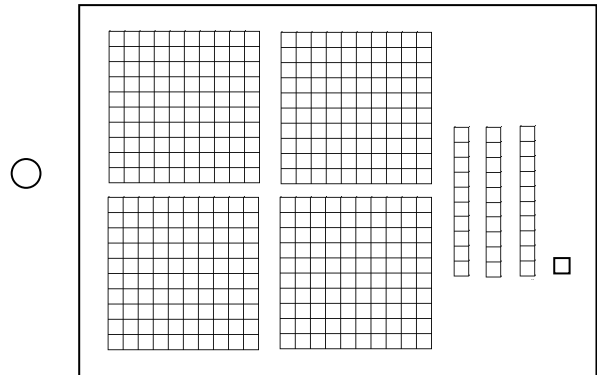
11. Which number is shown by the blocks in this picture?



- 428
- 248
- 284
- 824

(2A)

12. Which picture shows the number 341?



(4A)

13. Mrs. Benson wants to buy a new hat. She saw 4 that she liked. The prices of the hats were \$39, \$28, \$36, and \$24. Which list shows the prices from **least to most** expensive?

- \$28, \$24, \$39, \$36
- \$28, \$39, \$24, \$36
- \$24, \$28, \$36, \$39
- \$24, \$36, \$39, \$28

(4A)

Use the table to answer question 14.

Fruit for Sale	
FRUIT	PRICE FOR 1 POUND
Apples	53¢
Bananas	68¢
Lemons	58¢
Pears	61¢

14. Which list shows the fruit listed in order from **most to least** expensive?

- apples bananas pears lemons
- lemons apples pears lemons
- bananas pears lemons apples
- apples lemons pears bananas

(4A)

15. Which list shows the numbers in order from **greatest to least**?

- 58 320 52 302
- 52 58 302 320
- 320 302 58 52
- 302 320 58 52

(4A)

16. The table below tells how many feet above sea level are four cities.





Feet above Sea Level	
Cities	Number of Feet
Yuma, AZ	160
Jackson, MS	294
Meriden, CT	190
Salem, OR	154

If the cities in the table were listed in order from **fewest to greatest** number of feet, which city would be listed third?

- Yuma, Arizona
- Jackson, Mississippi
- Meriden, Connecticut
- Salem, Oregon





(4B)

17. Suzy wants to buy a new ring. She wants to spend **less** than \$65. Which ring costs **more** than she wants to spend?

- 
- 
- 
- 

(4B)

18. Which hat costs **less** than \$30 but **more** than \$25?

- 
- 
- 
- 

(4B)

19. Brian saved between \$482 and \$547. How much money did he save?

- \$425
- \$450
- \$500
- \$550

(4B)

The chart shows the heights of 5 children.

Names	Height (Inches)
Corey	52
Taylor	58
Karin	53
Whitney	45
Alex	49

20. How many children are shorter than Karin?

- 1
- 2
- 3
- 4

(4B)

The chart shows the number of votes for the newest crayon colors.

Favorite New Crayon Color	Number of Votes
Inch Worm	286
Jazzberry Jam	315
Mango Tango	229
Wild Blue Yonder	247

21. Which color had **more** votes than Wild Blue Yonder and **less** votes than Jazzberry Jam?

- Inch Worm
- Jazzberry Jam
- Mango Tango
- Wild Blue Yonder

22. In the chart of Crayon Colors in problem 21, if the number of votes were written in order from **greatest** to **least**, which color would be written first?

- Inch Worm
- Jazzberry Jam
- Mango Tango
- Wild Blue Yonder

(4C)

23. Michael has 78 action figures at home. This number is **about**

- 60
- 70
- 80
- 90

(4C)

25. Daniel walked for 81 minutes. This number is

- a little less than 70
- a little more than 70
- a little less than 80
- a little more than 80

(4C)

24. Emily has 52 baseball cards. This number is **closest to**

- 40
- 50
- 60
- 65

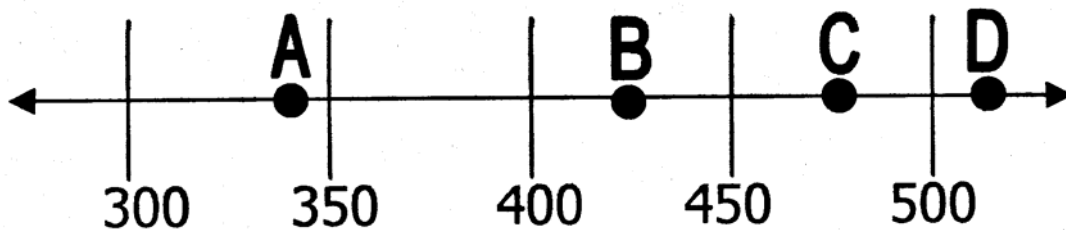
(4C)

26. A tiger shark can swim 48 miles in an hour. This number is **a little**

- less than 40
- more than 40
- less than 50
- more than 50

(4D)

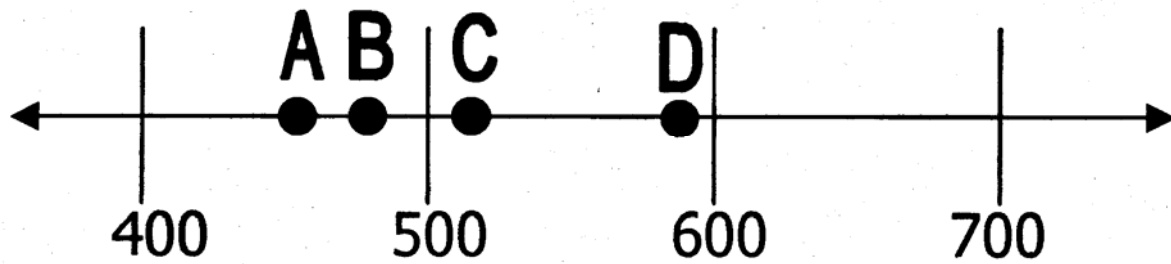
27. Which number would Point C be **closest to** on the number line?



- 475
- 340
- 520
- 425

(4D)

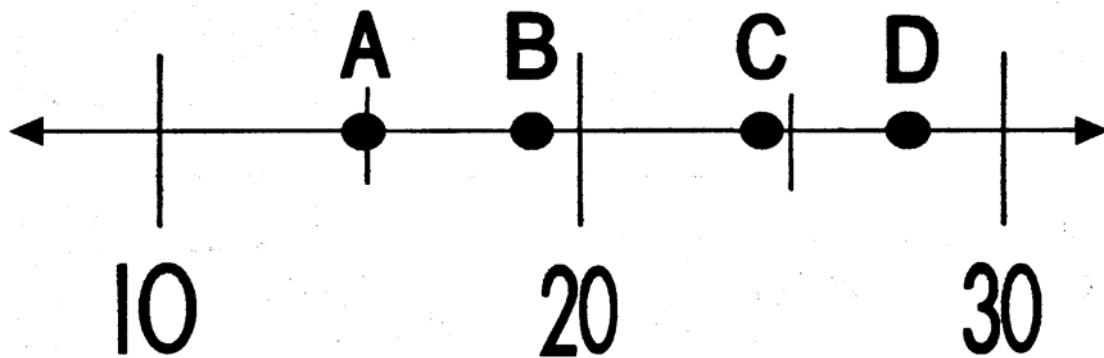
28. The number 450 would be **closest** to which point on the number line?



- A
- B
- C
- D

(4D)

29. The number 28 would be **closest** to which letter on the number line?



- A
- B
- C
- D

<p style="text-align: right;">(10A)</p> <p>30. Rob bought a new watch for \$29.99 and paid for it with a \$50 bill. Which of the following would be best for Rob to use to estimate his change?</p> <p><input type="radio"/> \$30 - \$50</p> <p><input type="radio"/> \$50 - \$20</p> <p><input type="radio"/> \$20 - \$50</p> <p><input type="radio"/> \$50 - \$30</p>	<p style="text-align: right;">(10A)</p> <p>33. Celia needs to add 392 and 426. Which of the following would be best for Celia to use to estimate the sum?</p> <p><input type="radio"/> 300 + 400</p> <p><input type="radio"/> 300 + 500</p> <p><input type="radio"/> 400 + 500</p> <p><input type="radio"/> 400 + 400</p>
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<p style="text-align: right;">(10A)</p> <p>32. Jay needs to subtract 729 from 883. Which of the following would be best for Jay to use to estimate the difference?</p> <p><input type="radio"/> 900 - 700</p> <p><input type="radio"/> 900 - 800</p> <p><input type="radio"/> 800 - 800</p> <p><input type="radio"/> 800 - 700</p>	<p style="text-align: right;">(11A)</p> <p>35. Kris baked 48 cookies. He ate 29 of them. About how many cookies are left?</p> <p><input type="radio"/> 10</p> <p><input type="radio"/> 20</p> <p><input type="radio"/> 30</p> <p><input type="radio"/> 40</p>

(11A)

36. Sara drove 125 miles one week. She drove 395 miles the next week. **About** how many miles did she drive in all?

- Less than 200
- About 300
- About 400
- More than 500

(11A)

39. Tom found out that there are 826 dogs in his town. There are also 398 cats. **About** how many more dogs than cats are there?

- A little less than 400
- A little less than 500
- A little more than 400
- A little more than 500

(11A)

37. Samantha made between \$8 and \$11 each week for 3 weeks. **About** how much money could Samantha have made?

- \$10
- \$20
- \$30
- \$40

(11A)

40. Nick put 29 peanuts in a bag. Al put 48 more peanuts in the same bag. **About** how many peanuts are now in the bag?

- Less than 50
- Between 60 and 70
- Between 70 and 80
- More than 85

(11A)

38. The bookstore sold 58 books on Tuesday. It sold 33 books on Wednesday. **About** how many books were sold on those two days?

- A little less than 80
- A little more than 80
- A little less than 90
- A little more than 90

(11A)

41. The snack bar sold 629 burgers. They also sold 396 hot dogs. **About** how many more burgers and hot dogs did the snack bar sell?

- Less than 200
- Between 200 and 300
- Between 300 and 400
- More than 400

(25A)

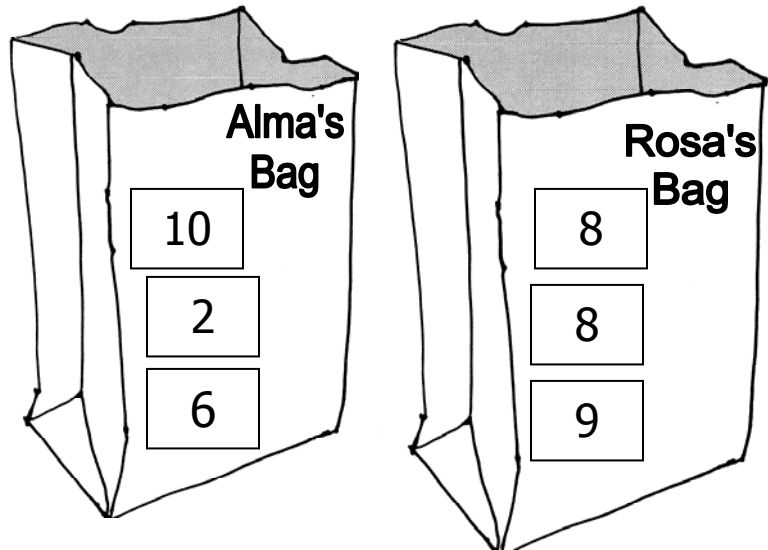
Name _____ Date _____

Alma and Marta played a game.

Each girl

- picked two cards from a bag,
- added the numbers on the cards, and
- used the sum as her score.

The winner would be the girl with the highest score.



List all of Alma's possible scores in the space below. Show how you got your answers.

List all of Rosa's possible scores in the space below. Show how you got your answers.

Who is more likely to win, Alma or Rosa? _____

How did you figure out who is more likely to win? In the space below, show your work or explain.

Topic 11: Investigating 4-Digit Numbers
Revised: December 3, 2005

- 1D: Use place value concepts to identify and compare the magnitude and value of digits in 2- and 3-digit numbers.
- 2A: Relate pictorial representations of base ten blocks to whole numbers and vice versa.
- 4A: Order 2- and 3-digit whole numbers.
- 4B: Describe the magnitude of 2- and 3-digit whole numbers.
- 4C: Round 2-digit whole numbers in context.
- 4D: Identify points representing 2- and 3-digit whole numbers on a number line and vice versa.
- 10A: Identify the best expression to find an estimate.
- 11: Identify a reasonable estimate to a problem.
- 25A: Solve extended numerical and statistical problems.

ANSWERS

<p>(1D)</p> <p>1. What is the value of 6 in the number 62?</p> <p><input type="radio"/> 2</p> <p><input type="radio"/> 6</p> <p><input type="radio"/> 20</p> <p><input type="radio"/> 60 ***</p>	<p>(1D)</p> <p>5. What is the value of 3 in the number 935?</p> <p><input type="radio"/> 3</p> <p><input type="radio"/> 30 ***</p> <p><input type="radio"/> 300</p> <p><input type="radio"/> 3000</p>
<p>(1D)</p> <p>2. What is the value of 8 in the number 851?</p> <p><input type="radio"/> 8000</p> <p><input type="radio"/> 800 ***</p> <p><input type="radio"/> 80</p> <p><input type="radio"/> 8</p>	<p>(1D)</p> <p>6. In which number does the hundreds place have the greatest value?</p> <p><input type="radio"/> 279</p> <p><input type="radio"/> 792</p> <p><input type="radio"/> 927 ***</p> <p><input type="radio"/> 297</p>
<p>(1D)</p> <p>3. What is the value of 4 in the number 904?</p> <p><input type="radio"/> 0</p> <p><input type="radio"/> 4 ***</p> <p><input type="radio"/> 40</p> <p><input type="radio"/> 400</p>	<p>(1D)</p> <p>7. In which number does the tens place have the least value?</p> <p><input type="radio"/> 692</p> <p><input type="radio"/> 851</p> <p><input type="radio"/> 937 ***</p> <p><input type="radio"/> 474</p>
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(1D)

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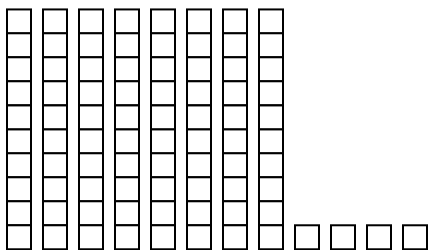
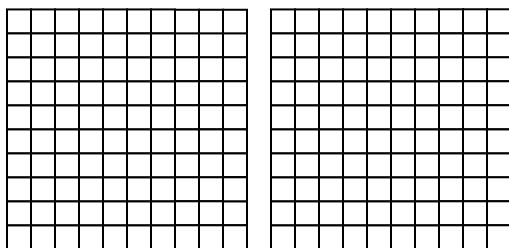
(1D)

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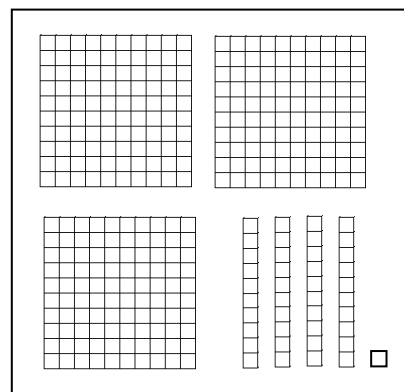
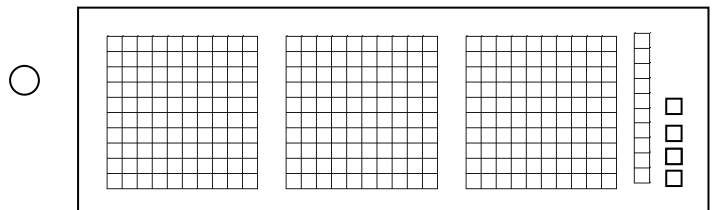
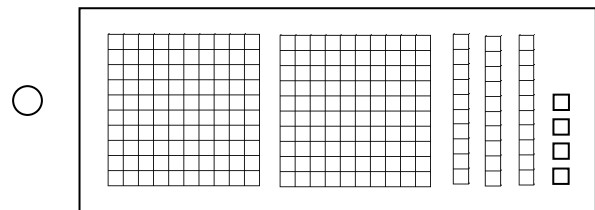
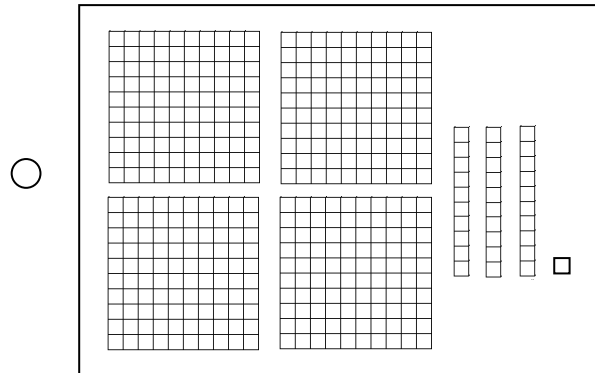
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(4A)

16. The table below tells how many feet above sea level are four cities.




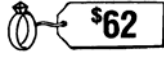
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 Meriden, Connecticut ***
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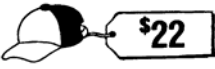



(4B)

17. Suzy wants to buy a new ring. She wants to spend less than \$65. Which ring costs **more** than she wants to spend?

- 
 
  ***
 

(4B)

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- 
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- 
- 

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The chart shows the heights of 5 children.

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20. How many children are shorter than Karin?

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(4B)

The chart shows the number of votes for the newest crayon colors.

Favorite New Crayon Color	Number of Votes
Inch Worm	286
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21. Which color had more votes than Wild Blue Yonder and less votes than Jazzberry Jam?

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(4B)

22. In the chart of Crayon Colors in problem 21, if the number of votes were written in order from **greatest** to **least**, which color would be written first?

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(4C)

23. Michael has 78 action figures at home. This number is **about**

- 60
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(4C)

25. Daniel walked for 81 minutes. This number is

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(4C)

24. Emily has 52 baseball cards. This number is **closest to**

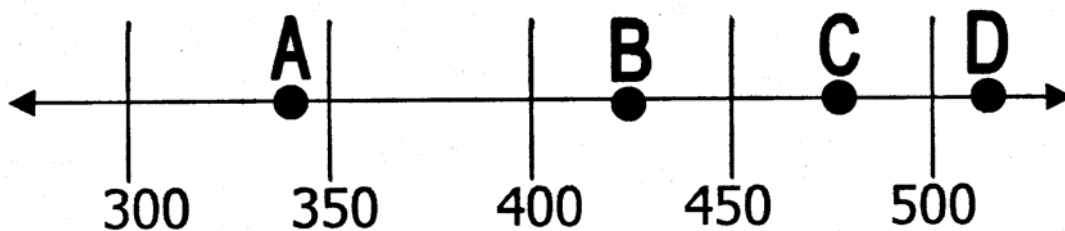
- 40
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(4C)

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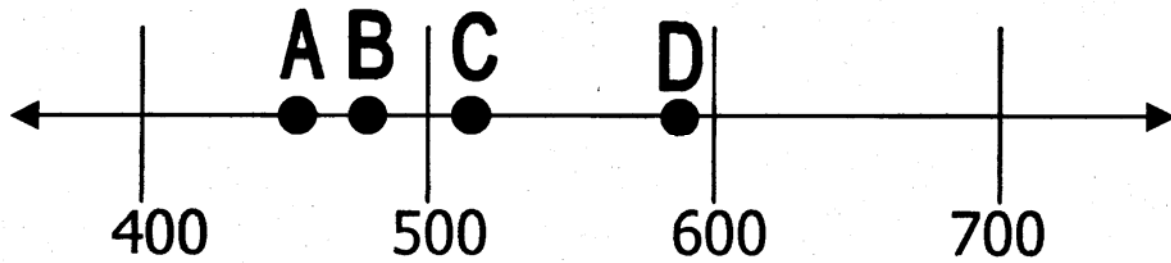
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- 475 ***
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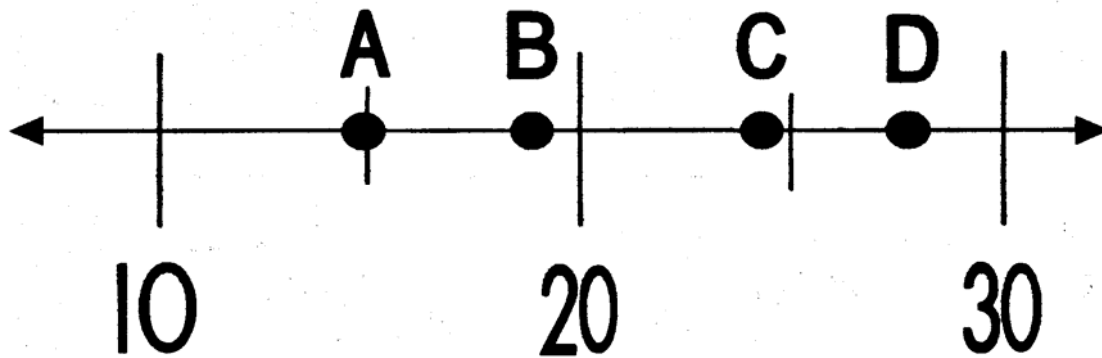
28. The number 450 would be **closest** to which point on the number line?



- A ***
- B
- C
- D

(4D)

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(11A)

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(25A)

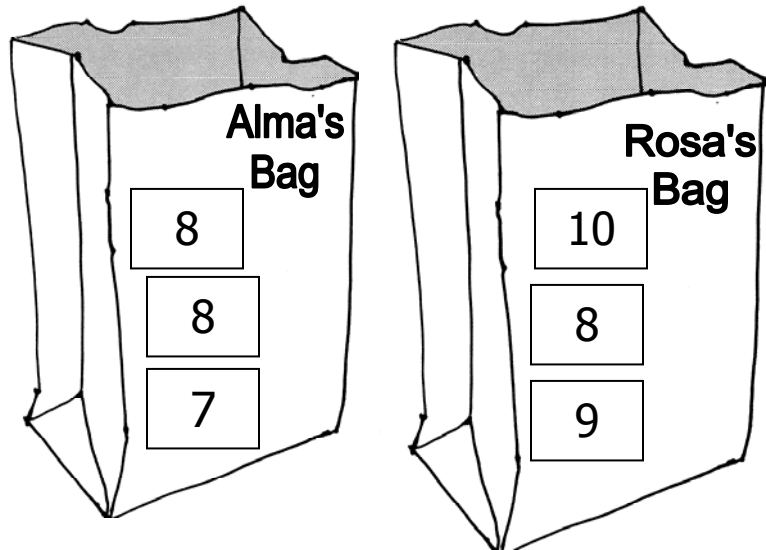
Name _____ Date _____

Alma and Marta played a game.

Each girl

- picked two cards from a bag,
- added the numbers on the cards, and
- used the sum as her score.

The winner would be the girl with the highest score.



List all of Alma's possible scores in the space below. Show how you got your answers.

$$\begin{array}{l} 8 + 8 = 16 \\ 8 + 7 = 15 \\ 7 + 8 = 15 \end{array}$$

List all of Rosa's possible scores in the space below. Show how you got your answers.

$$\begin{array}{l} 10 + 8 = 18 \\ 10 + 9 = 19 \\ 8 + 9 = 17 \end{array}$$

Who is more likely to win, Alma or Rosa? ROSA

How did you figure out who is more likely to win? In the space below, show your work or explain.

All of Rosa's sums are larger than Alma's.

Just saying that Alma can't win or that Alma can't win even one point does not explain enough. Ask the child how they knew that Alma can't win.