

<p>Name _____</p> <p style="text-align: right;">(1A)</p> <p>1. The animal shelter had 48 dogs. This week, the shelter received 10 <b>more</b> dogs. How many dogs does the shelter now have?</p> <p><del>38</del></p> <p><del>48</del></p> <p><del>58</del></p> <p><del>68</del></p>	<p>Date _____ PART 1</p> <p style="text-align: right;">(1A)</p> <p>4. An African elephant is 24 feet long. A rhino is 10 feet <b>shorter</b> than an elephant. How long is a rhino?</p> <p><input type="radio"/> 14</p> <p><del>23</del></p> <p><del>25</del></p> <p><del>34</del></p>
<p style="text-align: right;">(1A)</p> <p>2. Last month, Miss Schaefer corrected 853 math problems her students did. This month she corrected 10 <b>fewer</b> math problems. How many math problems did she correct this month?</p> <p><del>753</del></p> <p><input type="radio"/> 843</p> <p><del>863</del></p> <p><del>953</del></p>	<p style="text-align: right;">(1A)</p> <p>5. Mrs. Semplice had \$689. Mr. Semplice had \$100 <b>less</b> than his wife. How much money did Mr. Semplice have?</p> <p><input type="radio"/> \$589</p> <p><del>\$679</del></p> <p><del>\$699</del></p> <p><del>\$789</del></p>
<p style="text-align: right;">(1A)</p> <p>3. Mrs. Forcier drove 625 miles in her new red sports car. Her son drive 100 miles <b>more</b> than she did. How many miles did her son drive?</p> <p><del>525</del></p> <p><del>615</del></p> <p><del>635</del></p> <p><input type="radio"/> 725</p>	<p style="text-align: right;">(1A)</p> <p>6. There were 375 cats named Smokey at the Cat Show. There were 10 <b>more</b> cats named Tiger than named Smokey. How many cats were named Tiger?</p> <p><del>275</del></p> <p><del>365</del></p> <p><input type="radio"/> 385</p> <p><del>475</del></p>

<p style="text-align: right;">(1B)</p> <p>7. Which means the same as 604?</p> <p><input type="radio"/> <math>6 + 0 + 4</math></p> <p><input type="radio"/> <math>60 + 4</math></p> <p><input type="radio"/> <math>600 + 40</math></p> <p><input type="radio"/> <math>600 + 4</math></p>	<p style="text-align: right;">(1B)</p> <p>11. What is another name for <math>500 + 30</math>?</p> <p><input type="radio"/> 503</p> <p><input type="radio"/> 530</p> <p><input checked="" type="radio"/> 5030</p> <p><input checked="" type="radio"/> 5300</p>
<p style="text-align: right;">(1B)</p> <p>8. Which means the same as 29?</p> <p><input type="radio"/> <math>2 + 90</math></p> <p><input type="radio"/> <math>20 + 90</math></p> <p><input type="radio"/> <math>2 + 9</math></p> <p><input type="radio"/> <math>20 + 9</math></p>	<p style="text-align: right;">(1B)</p> <p>12. Which means the same as 590?</p> <p><input type="radio"/> 5 tens, 9 ones</p> <p><input type="radio"/> 5 tens, 0 ones</p> <p><input type="radio"/> 59 tens</p> <p><input checked="" type="radio"/> 50 tens</p>
<p style="text-align: right;">(1B)</p> <p>9. What is another name for <math>200 + 7</math>?</p> <p><input checked="" type="radio"/> 2007</p> <p><input checked="" type="radio"/> 270</p> <p><input type="radio"/> 207</p> <p><input type="radio"/> 27</p>	<p style="text-align: right;">(1D)</p> <p>13. In which number does 9 have the <b>least</b> value?</p> <p><input checked="" type="radio"/> 239</p> <p><input checked="" type="radio"/> 392</p> <p><input checked="" type="radio"/> 932</p> <p><input checked="" type="radio"/> 923</p>
<p style="text-align: right;">(1B)</p> <p>10. Which means the same as 65 tens?</p> <p><input checked="" type="radio"/> 6510</p> <p><input type="radio"/> 650</p> <p><input type="radio"/> 65</p> <p><input type="radio"/> 11</p>	<p style="text-align: right;">(1D)</p> <p>14. In which number does 2 have the <b>greatest</b> value?</p> <p><input type="radio"/> 842</p> <p><input type="radio"/> 824</p> <p><input type="radio"/> 428</p> <p><input type="radio"/> 248</p>

<p style="text-align: right;">(1D)</p> <p>15. In which number does the tens place have the <b>greatest value</b>?</p> <p><input type="radio"/> 248</p> <p><input checked="" type="radio"/> 819</p> <p><input checked="" type="radio"/> 936</p> <p><input type="radio"/> 562</p>	<p style="text-align: right;">(1D)</p> <p>19. What is the value of 2 in the number 258?</p> <p><input type="radio"/> 2</p> <p><input type="radio"/> 20</p> <p><input type="radio"/> 200</p> <p><input checked="" type="radio"/> 2000</p>
<p style="text-align: right;">(1D)</p> <p>16. In which number does the ones place have the <b>greatest value</b>?</p> <p><input checked="" type="radio"/> 28</p> <p><input type="radio"/> 39</p> <p><input type="radio"/> 87</p> <p><input type="radio"/> 90</p>	<p style="text-align: right;">(1D)</p> <p>20. In which number does 4 stand for 40?</p> <p><input checked="" type="radio"/> 284</p> <p><input checked="" type="radio"/> 428</p> <p><input type="radio"/> 842</p> <p><input checked="" type="radio"/> 482</p>
<p style="text-align: right;">(1D)</p> <p>17. In which number does the hundreds place have the <b>least value</b>?</p> <p><input checked="" type="radio"/> 589</p> <p><input type="radio"/> 326</p> <p><input checked="" type="radio"/> 708</p> <p><input checked="" type="radio"/> 410</p>	<p style="text-align: right;">(1D)</p> <p>21. In which number does 9 have the value of 9?</p> <p><input checked="" type="radio"/> 892</p> <p><input type="radio"/> 289</p> <p><input checked="" type="radio"/> 928</p> <p><input checked="" type="radio"/> 298</p>
<p style="text-align: right;">(1D)</p> <p>18. What is the value of 8 in the number 278?</p> <p><input type="radio"/> 8</p> <p><input type="radio"/> 80</p> <p><input type="radio"/> 800</p> <p><input checked="" type="radio"/> 8000</p>	<p style="text-align: right;">(1D)</p> <p>22. In which number does 3 stand for 3 hundreds?</p> <p><input checked="" type="radio"/> 123</p> <p><input type="radio"/> 321</p> <p><input checked="" type="radio"/> 132</p> <p><input checked="" type="radio"/> 231</p>

<p style="text-align: right;">(1D)</p> <p>23. The value of 27 would change by how much if 6 replaced 7?</p> <p> <input type="radio"/> 1  <input type="radio"/> 6  <input checked="" type="radio"/> 10  <input type="radio"/> 60         </p>	<p style="text-align: right;">(4A)</p> <p>The chart shows how many people lived in four Connecticut towns in 2003.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>TOWN</th> <th>NUMBER OF PEOPLE</th> </tr> </thead> <tbody> <tr> <td>Brooklyn</td> <td>6, 6 8 1</td> </tr> <tr> <td>Canton</td> <td>8, 2 6 8</td> </tr> <tr> <td>Haddam</td> <td>6, 7 6 8</td> </tr> <tr> <td>Winsted</td> <td>8, 2 5 4</td> </tr> </tbody> </table> <p>27. Which list shows the towns listed in order of number of people from <b>least to greatest</b>?</p> <p> <input type="radio"/> Haddam, Brooklyn, Canton, Winsted  <input type="radio"/> Haddam, Winsted, Brooklyn, Canton  <input type="radio"/> Brooklyn, Winsted, Canton, Haddam  <input type="radio"/> Brooklyn, Haddam, Winsted, Canton         </p>	TOWN	NUMBER OF PEOPLE	Brooklyn	6, 6 8 1	Canton	8, 2 6 8	Haddam	6, 7 6 8	Winsted	8, 2 5 4
TOWN	NUMBER OF PEOPLE										
Brooklyn	6, 6 8 1										
Canton	8, 2 6 8										
Haddam	6, 7 6 8										
Winsted	8, 2 5 4										
<p style="text-align: right;">(1D)</p> <p>24. The value of 327 would change by how much if 2 were placed by 5?</p> <p> <input type="radio"/> 3  <input type="radio"/> 5  <input type="radio"/> 30  <input checked="" type="radio"/> 500         </p>	<p style="text-align: right;">(4A)</p> <p>The table shows the height of 4 students in centimeters.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Student</th> <th>Height in Centimeters</th> </tr> </thead> <tbody> <tr> <td>Alex</td> <td>145</td> </tr> <tr> <td>Hiram</td> <td>119</td> </tr> <tr> <td>Sasha</td> <td>137</td> </tr> <tr> <td>Julia</td> <td>128</td> </tr> </tbody> </table> <p>28. If the students were arranged in order from <b>tallest to shortest</b>, who would be third on the list?</p> <p> <input checked="" type="radio"/> Alex  <input type="radio"/> Hiram  <input type="radio"/> Sasha  <input type="radio"/> Julia         </p>	Student	Height in Centimeters	Alex	145	Hiram	119	Sasha	137	Julia	128
Student	Height in Centimeters										
Alex	145										
Hiram	119										
Sasha	137										
Julia	128										
<p style="text-align: right;">(1D)</p> <p>25. The value of 864 would change by how much if 4 were replaced by 5?</p> <p> <input type="radio"/> 1  <input type="radio"/> 4  <input type="radio"/> 7  <input type="radio"/> 9         </p>	<p style="text-align: right;">(1D)</p> <p>26. The value of 258 would change by how much if 3 replaced 2?</p> <p> <input type="radio"/> 1  <input type="radio"/> 10  <input type="radio"/> 100  <input type="radio"/> 300         </p>										

(4A)

Tomas took a survey of the first names of fourth grade boys in his school. The chart shows the four most popular names and how many boys had that name in the fourth grade.

Names	Number of Boys
Jacob	42
Luis	35
Antonio	39
Matthew	37

29. Which list shows the names in order from **most to least** popular?

- Antonio, Matthew, Jacob, Luis
- Jacob, Antonio, Matthew, Luis
- Antonio, Jacob, Matthew, Luis
- Jacob, Antonio, Luis, Matthew

(4A)

30. In the chart in problem 29, which name was the **least** popular?

- Jacob
- Luis
- Antonio
- Matthew

(4A)

Animal	Weight in Kilograms
Black Bear	227
Lion	253
Polar Bear	778
Panda	167
Tiger	315

31. How many animals weigh **less** than the lion?

- 1
- 2
- 3
- 4

(4B)

32. Mrs. Nettleton’s class earned between 375 and 398 points for good behavior. How many points could they have earned?

- 368
- 372
- 384
- 395

(4B)

33. Mr. Ruel \* drove **more** than 99 miles but less than 175 miles to go skiing in Vermont. How many miles did he drive?

- 98
- 125
- 176
- 183

\*rhymes with “tool”

(4B)

34. Mrs. Forcier has \$150 to spend on a new suitcase. Which is the only suitcase she **can** buy?

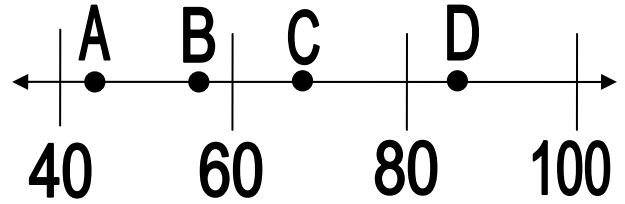
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(4B)

35. Which suitcase in problem 34 costs **more** than \$229?

- first suitcase
- second suitcase
- third suitcase
- fourth suitcase

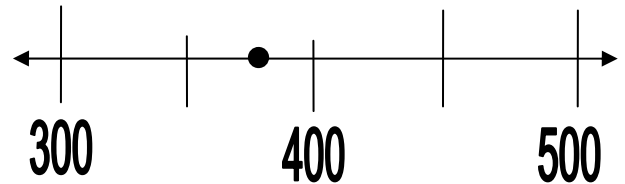
(4D)



36. Which point on the number line **most** accurately shows 86?

- A
- B
- C
- D

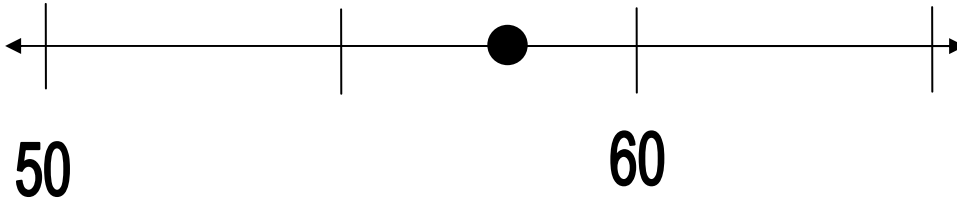
(4D)



37. What number **best** represents the dot on the number line?

- 325
- 355
- 375
- 395

(4E)



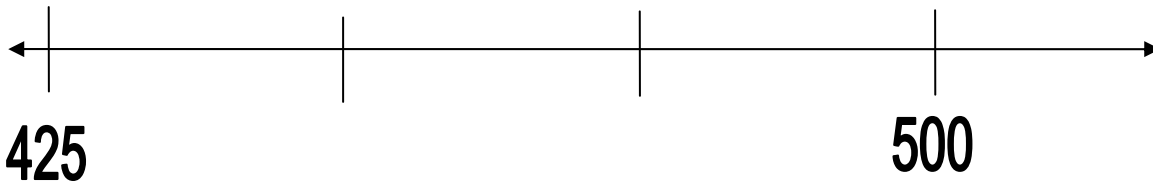
38. Write the number that **best** represents the black dot on the number line. \_\_\_\_\_

(4E)



39. Draw a heavy black line to show where **230** would be.

(4E)



40. Put a black dot on the number line to **most** accurately represent 480.

41. Write a story problem that can be solved using the number sentence (5C)

$$46 + 9 = \square.$$

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42. Write a story problem that can be solved using the number sentence (5C)

$$85 - 37 = \square.$$

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43. Write a story problem that can be solved using the number sentence (5C)

$$5 \times 9 = \square.$$

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Name \_\_\_\_\_ Date \_\_\_\_\_ PART 2

(4C)	(10A)
<p>1. Mr. Jones gained 42 pounds. This number is</p> <p><input type="radio"/> a little less than 30</p> <p><input type="radio"/> close to 40</p> <p><input checked="" type="radio"/> almost 50</p> <p><input type="radio"/> a little more than 50</p>	<p>5. Heather needs to add 412 to 792. Which of the following would be <b>best</b> for Heather to use to <b>estimate</b> the sum?</p> <p><input type="radio"/> <math>500 + 800</math></p> <p><input type="radio"/> <math>500 + 700</math></p> <p><input type="radio"/> <math>400 + 800</math></p> <p><input type="radio"/> <math>400 + 700</math></p>
(4C)	(10A)
<p>2. Mrs. Tuttle drove 158 miles from Woodstock, CT to New York City. This number is <b>closest</b> to</p> <p><del>130</del></p> <p><del>140</del></p> <p><del>150</del></p> <p><del>160</del></p>	<p>6. Samuel needs to subtract 589 from 820. Which of the following would be <b>best</b> for Samuel to use to <b>estimate</b> the difference?</p> <p><input type="radio"/> <math>800 - 600</math></p> <p><input type="radio"/> <math>800 - 500</math></p> <p><input type="radio"/> <math>900 - 600</math></p> <p><input type="radio"/> <math>900 - 500</math></p>
(4C)	(10A)
<p>3. There were 178 tomatoes in Ed's garden. This number is <b>about</b></p> <p><input type="radio"/> 100</p> <p><input type="radio"/> 200</p> <p><input type="radio"/> 300</p> <p><input type="radio"/> 400</p>	<p>7. Rachel bought a new pair of shoes for \$87.98. She gave the clerk \$100. Which of the following would be <b>best</b> for Rachel to use to <b>estimate</b> her change?</p> <p><input type="radio"/> <math>\\$100 - 87</math></p> <p><input type="radio"/> <math>\\$87 - \\$100</math></p> <p><input type="radio"/> <math>\\$100 - \\$88</math></p> <p><input type="radio"/> <math>\\$88 - \\$100</math></p>
(4C)	(10A)
<p>4. Mrs. Nettleton can solve 178 math problems in less than an hour. This number is</p> <p><input type="radio"/> a little less than 100</p> <p><input type="radio"/> a little more than 100</p> <p><input type="radio"/> a little less than 200</p> <p><input type="radio"/> a little more than 200</p>	<p>7. Rachel bought a new pair of shoes for \$87.98. She gave the clerk \$100. Which of the following would be <b>best</b> for Rachel to use to <b>estimate</b> her change?</p> <p><input type="radio"/> <math>\\$100 - 87</math></p> <p><input type="radio"/> <math>\\$87 - \\$100</math></p> <p><input type="radio"/> <math>\\$100 - \\$88</math></p> <p><input type="radio"/> <math>\\$88 - \\$100</math></p>

(10A)

8. Horatio spent \$32.85 on new hiking boots. He paid with a \$50 bill. Which of the following would be **best** for him to use to **estimate** the change he should receive?

\$30 - \$50

\$50 - \$30

\$40 - \$50

\$50 - \$40

(10A)

9. Harry practiced flying 22 hours a week for 38 weeks. Which of the following would be **best** for Harry to use to **estimate** his total number of hours?

20 x 30

20 x 40

30 x 30

30 x 40

(10A)

10. Ron needs to multiply  $5296 \times 817$ . Which of the following would be **best** for Ron to use to **estimate** the product?

5000 x 800

6000 x 800

5000 x 900

6000 x 900

(11A)

11. Yesterday 82 cars passed over a speed bump. Only 39 of the cars remembered to slow down. **About** how many cars did not slow down?

40

50

60

70

(11A)

12. Mike's Service Station sold 987 gallons of gas on Monday. It sold 736 gallons on Tuesday. **About** how many gallons were sold altogether?

1400

1500

1600

1700

(11A)

13. Mr. Rodriguez counted 211 white t-shirts in his store. He also counted 498 blue t-shirts. **About** how many t-shirts did he count?

710

730

750

770

(11A)

14. An actor in a play had 618 lines to learn. He learned 387 lines already.

**About** how many more lines does he need to learn?

- less than 100
- about 200
- about 300
- more than 400

(11A)

15. 47. Angie paid \$3.29 for a new pen. She gave the clerk \$5.00. **About** how much change did she get back?

- A little more than \$2.00
- A little more than \$3.00
- A little less than \$2.00
- A little less than \$3.00

(11A)

16. Mr. Mongillo bought a quart of yellow paint for \$7.92. He paid with a \$10 bill. **About** how much change did he receive?

- a little less than \$2
- a little more than \$2
- a little less than \$3
- a little more than \$3

(11A)

17. The jolly green giant had 91 cans of peas. He ate 58 of the cans. **About** how many cans of peas were not eaten?

- a little less than 30
- a little more than 30
- a little less than 40
- a little more than 40

(11A)

18. Mrs. Harris, the mail carrier, delivered 326 letters to the houses on Village Street on Monday. She delivered 597 letters on Tuesday. **About** how many letters did she deliver on those two days?

- A little less than 800
- A little more than 800
- A little less than 900
- A little more than 900

(11A)

19. In his shop, Samir sold between 4 and 8 yards of silk every week for 5 weeks. **About** how many yards of silk could Samir have sold?

- 35
- 45
- 55
- 65

(11A)

20. Jordan's pet snake, King, grew between 2 and 6 inches a month for 4 months. **About** how many inches could he have grown?

- 2
- 5
- 7
- 10

(11A)

21. John ran between 9 and 15 miles a week for 6 weeks. **About** how many miles could he have run?

- 50
- 80
- 110
- 140

(11A)

22. At *Than's Boat Rental*, people rented 687 canoes and 895 rowboats last summer. **About** how many boats were rented last summer?

- less than 1400
- between 1400 and 1600
- between 1600 and 1800
- more than 1800

(11A)

23. Carlos has 926 pages in his book. He has read 489 pages. **About** how many more pages are left to read?

- less than 200 pages
- between 200 and 300
- between 300 and 400
- more than 400

(14B)

26. Lee Ann watched TV for 180 minutes. How many hours is that?

- 1
- 2
- 3
- 4

(14A)

24. Alex started washing windows at 7:25. She finished at 10:18. How long did she spend washing windows?

- 1 hour, 58 minutes
- 2 hours, 35 minutes
- 2 hours, 53 minutes
- 3 hours, 12 minutes

(14B)

27. Holly practiced playing the piano for  $1\frac{1}{2}$  hours. How many minutes is that?

- 60
- 90
- 120
- 150

(14A)

25. Suzi's dad finished changing the tires on his car at 2:24. He had begun the job 48 minutes earlier. At what time did he begin changing tires?

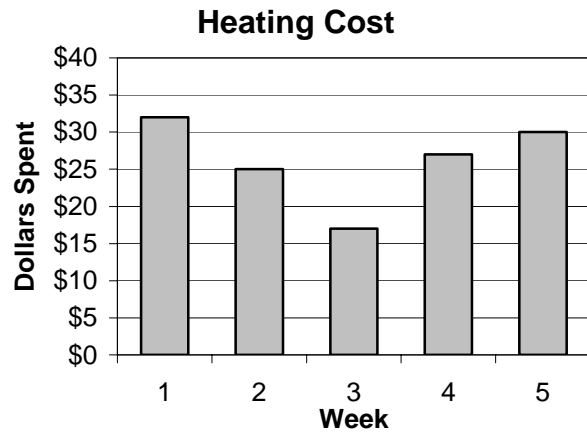
- 1:36
- 1:45
- 2:00
- 2:24

(14B)

28. Bruce can stare without blinking his eyes for 90 seconds. How long is that?

- 1 minute and 15 seconds
- 1 minutes and 30 seconds
- 1 minutes and 45 seconds
- 20 minutes

The graph below shows how much the Lathrop family spent on heat for 5 weeks. Use it to answer the questions below.



(19A)

29. How much did the Lathrop family spend on heat in week 3?

- \$14
- \$17
- \$21
- \$32

(19A)

30. In which weeks did they spend less than \$29 on heat?

- Weeks 2, 3, and 4
- Weeks 1 and 5
- Weeks 1, 4, and 5
- Weeks 2, 3, and 5

The **table** shows the number of students who took part in sports. Use the table to answer the following two questions.

Sport	Grade 4	Grade 5
Swimming	50	36
Basketball	15	41
Soccer	42	15
Football	21	31

(19A)

31. According to the table, which 2 sports have the **greatest** number of fourth grade students?

- Soccer and football
- Basketball and swimming
- Soccer and swimming
- Basketball and football

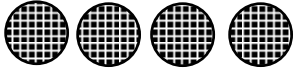
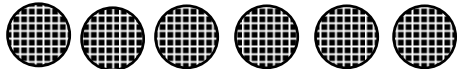
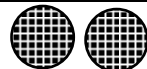
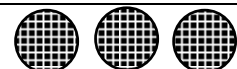
(19A)

32. Which 2 sports have the **least** number of fifth graders?

- Soccer and Swimming
- Basketball and Soccer
- Swimming and Football
- Soccer and Football

The **pictograph** shows the number of pizzas sold at *ABC Pizza* on Friday. Use the graph to answer the questions that follow the graph.

**Pizzas Sold on Friday**

Cheese	
Sausage	
Veggie	
Deluxe	

Each  represents 5 pizzas

(19A)

33. How many more Sausage pizzas were sold than Deluxe pizzas?

- 3
- 5
- 15
- 18

(19A)

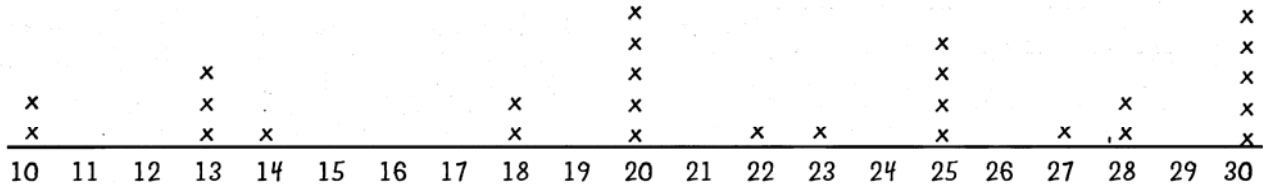
34. Which two types of pizza sold between 12 and 24 pizzas on Friday night?

- Cheese and Sausage
- Veggie and Deluxe
- Cheese and Deluxe
- Cheese and Veggie

Name \_\_\_\_\_ Date \_\_\_\_\_

(19A)

The **line plot** shows the estimates made by 27 children for the number of beans in a handful. Use the graph to answer the questions.



X = 1

1. How many children estimated that there were 20 beans in a handful?

- 2
- 3
- 4
- 5

3. How many children estimated less than 20 beans in a handful?

- 5
- 8
- 13
- 27

2. How many children estimated that there were between 24 and 31 beans in a handful?

- 10
- 12
- 14
- 16

4. How many children estimated more than 20 beans in a handful?

- 4
- 9
- 14
- 19

Name \_\_\_\_\_ Date \_\_\_\_\_

(25A)

The 4<sup>th</sup> and 2<sup>nd</sup> graders in your school are going on a trip to Wonderland Amusement Park. Each 4<sup>th</sup> grader is going to be a buddy to a 2<sup>nd</sup> grader.

Your buddy for the trip wants to go on every ride at the park. Unfortunately,

- there may not be enough time to go on every ride and
- you may not have enough tickets to go on every ride.

So you and your buddy need a plan for the day.

- The bus will drop you off at the amusement park at 10:00 a.m.
- The bus will pick you up at 1:30 p.m.
- Each student will get 20 tickets for rides.
- You may go on a ride more than 1 time.
- You and your buddy must also save 30 minutes for lunch.

The chart shows how much time and how many tickets you need for each ride. Use this information to plan a fun day at the amusement park for you and your buddy.

<b>WOUNDERLAND AMUSEMENT PARK</b>		
Ride	Time Required (including waiting in line and time to get to ride)	Number of Tickets Needed
Roller Coaster	45 minutes	4
Merry-Go-Round	15 minutes	1
Ferris Wheel	30 minutes	3
Water Slide	30 minutes	4
Rocket Ride	60 minutes	4
Bumper Cars	15 minutes	2
Blue Lagoon Ride	45 minutes	3

On the next page, write a plan for the day that shows

- **when you will go on each ride and**
- **when you will eat lunch.**



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