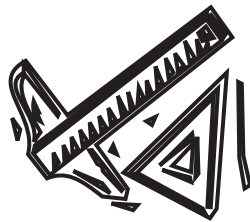




New York State Testing Program

Mathematics

Book 2



May 10–12, 2005

Name _____



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TIPS FOR TAKING THE TEST

Here are some suggestions to help you do your best:

- Be sure to carefully read all the directions in the Test Book.
- You may use your tools to help you solve any problem on the test.
- Read each question carefully and think about the answer before writing a response.
- Be sure to show your work when asked. You may receive partial credit if you have shown your work.



This picture means that you will use your ruler.

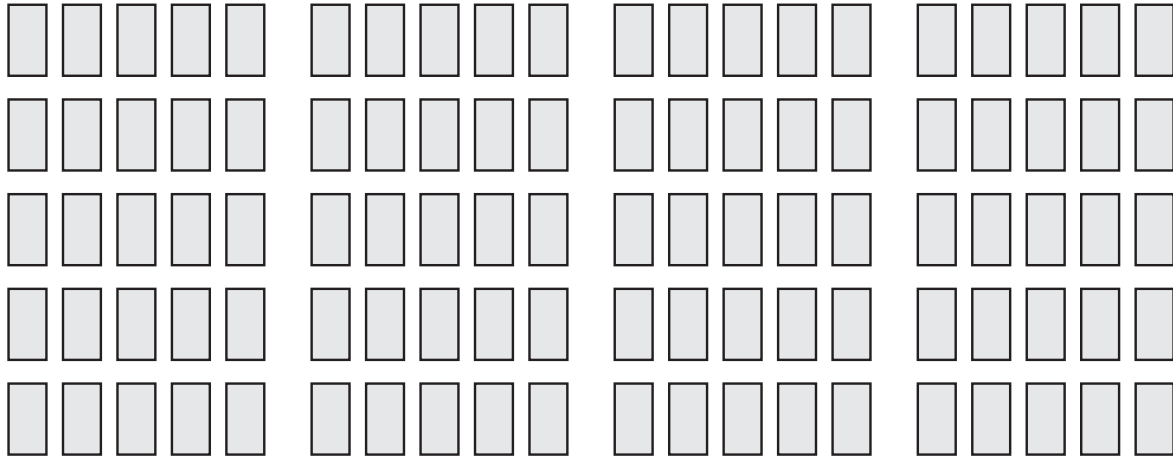


This picture means that you will use your pattern blocks.



This picture means that you will use your counters.

31 Heather has 100 trading cards as shown below.



Part A

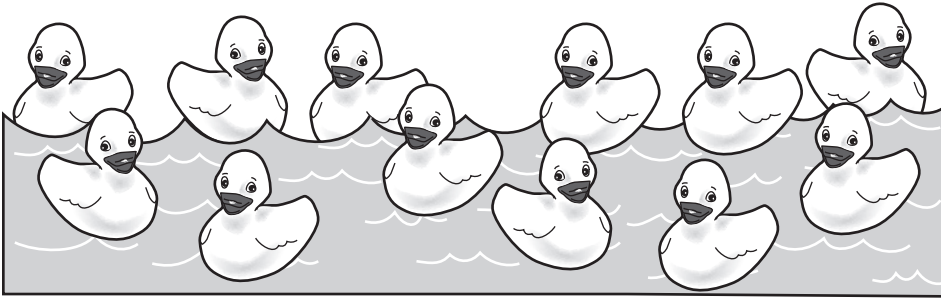
Heather will give her sister 25% of the cards. Draw a ring around the number of cards that Heather will give her sister.

Part B

What percent of the 100 trading cards will Heather have left after she gives 25% of the cards to her sister?

Answer _____ %

Janet is going to play the game "Lucky Ducks" at the fair. To play the game, she will choose one of the rubber ducks in the pool.



Each rubber duck in the pool has a colored star underneath it that cannot be seen by the game players.

- There is a blue star on 1 duck.
- There is a red star on 2 ducks.
- There is a green star on 9 ducks.

Part A

What is the probability that Janet will choose a duck with a red star?

Answer _____

Part B

What is the probability that Janet will choose a duck that does *not* have a green star?

Answer _____

- 33** Darryl is learning to play the guitar. Each week, he adds to his daily practice time. His practice table is shown below.

DARRYL'S GUITAR PRACTICE

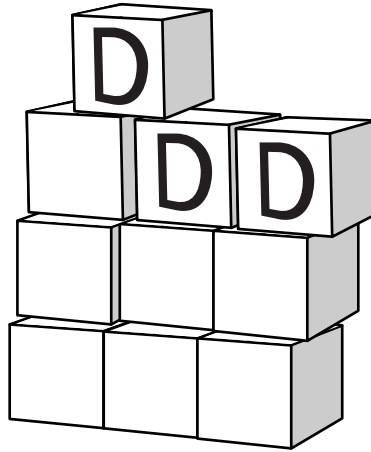
Week	Daily Practice Time
1	12 minutes
2	15 minutes
3	18 minutes
4	21 minutes

If Darryl continues to add to his practice time each week in the same pattern, how many minutes will he be practicing each day in Week 7?

Answer _____ minutes

On the lines below, explain in words how you found your answer.

- 34** Linda's family is moving. They have packed their kitchen items into the 10 boxes shown in the diagram below.



Part A

Linda marked 3 of her boxes with a "D" for dishes. What fractional part of the boxes did she mark with a "D"?

Answer _____

Part B

Linda marked the boxes that had food in them with an "F." Write an "F" on $\frac{1}{5}$ of the boxes in the diagram above.

35



Use your counters to help you solve this problem.

Todd is arranging 12 chairs into rows. All the rows will have an equal number of chairs. In each box below, show a different way Todd can arrange the chairs. Use a circle to show each chair.

KEY
○ = 1 chair

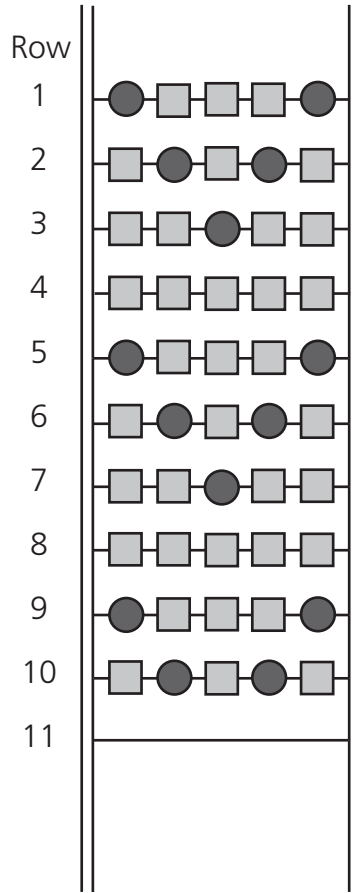
Arrangement 1

Arrangement 2

Go On

36

Susan is making a beaded bracelet by following a pattern. She has already completed the first 10 rows of the bracelet, as shown below.



Part A

Draw square and round beads on Row 11 above to show the beads that Susan should use to continue the pattern.

Part B

On the lines below, explain how you chose which beads to draw on Row 11.

Part C

How many square beads would there be in Row 16?

Answer _____ square beads

Go On

37 Christi and Amy went to a pet store.

Part A

Christi bought a bag of hamster food that weighed 2 pounds. Each pound of hamster food costs \$3.50. Write the missing sign (+, −, ×, or ÷) in the box below that would find the total cost of her hamster food.

$$\$3.50 \square 2 = \text{total cost of hamster food}$$

Part B

Amy bought dog food and birdseed. She paid \$4.00 for the dog food. The total cost for both the dog food and the birdseed was \$12.25. How much money did Amy spend on birdseed?

Show your work.

Answer \$ _____

38

Ron earns \$2.00 an hour for doing yard work. He needs to earn \$28.00 to buy a soccer uniform. Ron made the table below to record the number of hours he worked and the amount of money he earned each week.

RON'S YARD WORK

Week	Hours Worked	Money Earned
1	4	\$8.00
2	2	\$4.00
3	3	\$6.00
4		
		\$28.00

TOTAL

How many *hours* does Ron need to work during Week 4 to earn a total of \$28.00 for these four weeks?

Show your work.

Answer _____ hours

Go On

- 39** A grocery store has 3 checkout stands. The table below shows the number of magazines sold at each checkout stand in one day.

MAGAZINE SALES

Magazine Title	Number Sold		
	Stand 1	Stand 2	Stand 3
Sports World	3	3	2
Craft Fun	2	1	2
News Today	5	2	4

Part A

How many of each kind of magazine were sold at the 3 checkout stands all together?

Sports World _____ magazines

Craft Fun _____ magazines

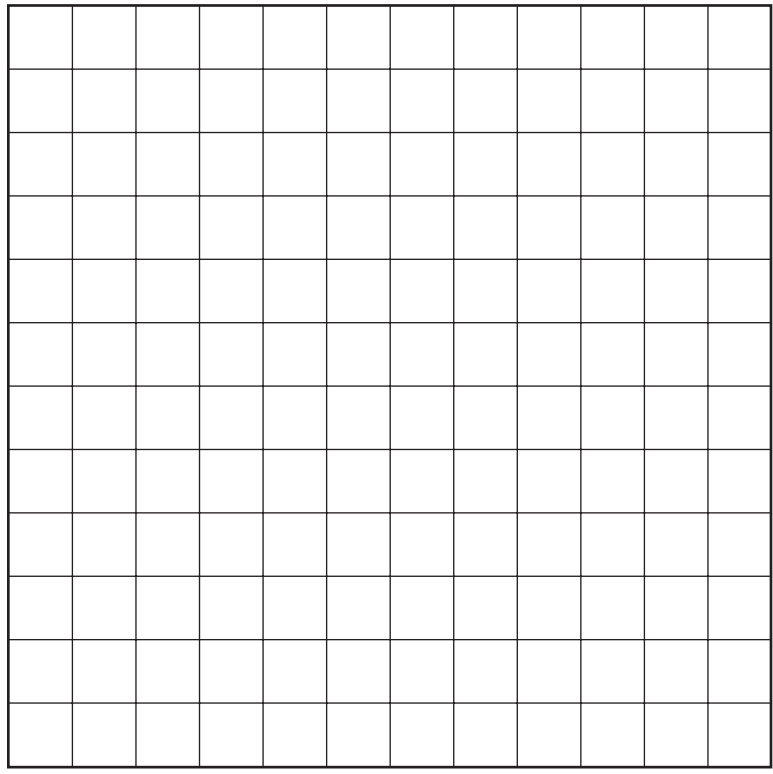
News Today _____ magazines

Part B

On the grid below, make a bar graph that shows the total number of each magazine sold at the 3 checkout stands.

Be sure to

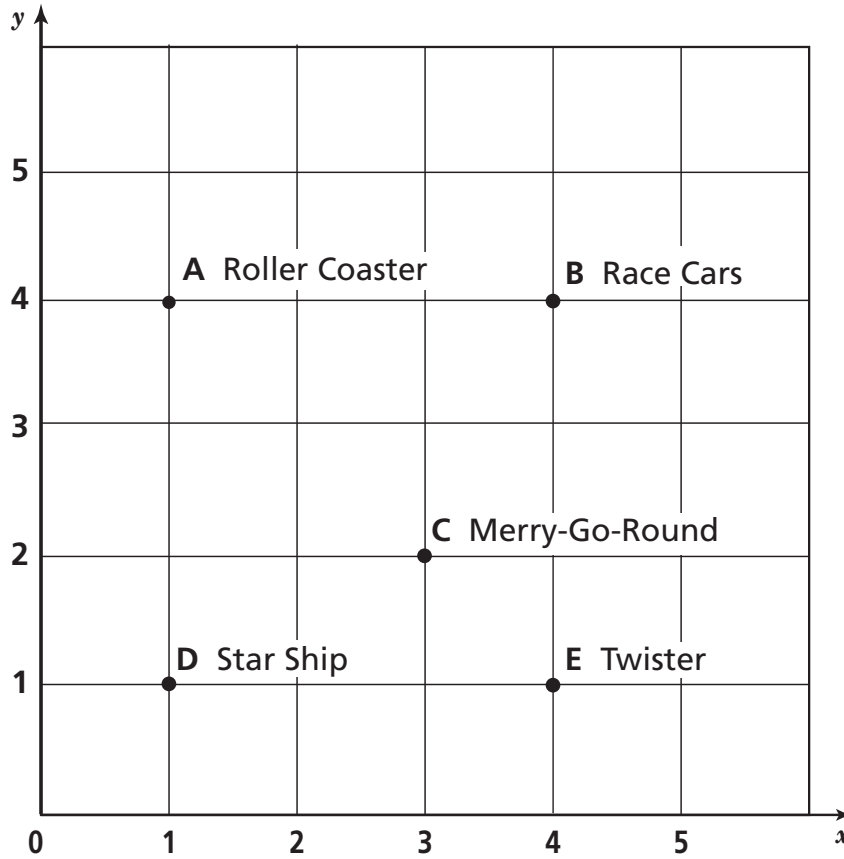
- title the graph
- label the axes
- graph all the data
- provide the graph with a scale



STOP

Do NOT turn this page until you are told to do so.

- 40** Carly went to the fair. The map below shows the locations of the different rides at the fair.



Part A

Carly is on the Merry-Go-Round. What is the ordered pair for the location of the Merry-Go-Round on the map?

Answer (___, ___)

Part B

Carly wants to go on the ride located at (1, 4) on the map. What ride is it?

Answer _____

41 Each month, Mrs. Feldman makes a different number of flashcards. She divides them equally among her 9 students. The table below shows the total number of flashcards Mrs. Feldman made each month for six months.

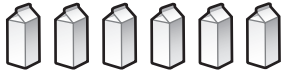



FLASHCARDS


Month	Total Flashcards	Flashcards Each Student Received
September	72	8
October	27	
November	45	
December	18	
January	63	
February	54	

Complete the table above to show how many flashcards each student received in each of the six months.

42 The table below shows how many cartons of juice Sunrise Market sold in one day.

JUICE SALES

Kind of Juice	Cartons Sold
Apple	
Cranberry	
Grape	
Orange	

KEY
 = 2 liters

Part A

How many liters of grape juice did Sunrise Market sell that day?

Answer _____ liters

Part B

How many *more* liters of orange juice than liters of cranberry juice did Sunrise Market sell that day?

Show your work.

Answer _____ liters

43

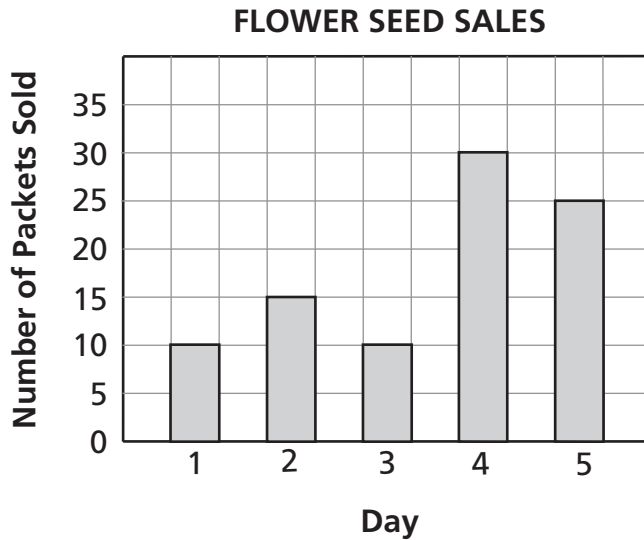
At the beginning of the year, there were 1,945 greeting cards in Annie’s gift shop. During the year, she sold 781 cards and ordered 675 more cards for the shop. How many cards were in Annie’s gift shop at the end of the year?

Show your work.

Answer _____ cards

Go On

Ms. Peterson's class sold flower seeds. The graph below shows the number of seed packets sold during 5 days.



Part A

What is the difference between the least number of packets sold in one day and the greatest number of packets sold in one day?

Show your work.

Answer _____ packets

Part B

What is the mean (average) number of packets sold per day during the 5 days shown?

Show your work.

Answer _____ packets

Go On

45

Amber and Luis began reading the same book on Monday.

- Amber reads two chapters every day until she finishes the book.
- Luis reads three chapters every day until he finishes the book.
- Amber will finish reading the book on Saturday.

Complete the table below to show the total number of chapters Amber and Luis have completed at the end of each day.

CHAPTERS COMPLETED

Day	Amber	Luis
Monday	2	3
Tuesday	4	
Wednesday		
Thursday		
Friday		
Saturday		

On what *day* will Luis finish reading the book?

Answer _____

46

Use your counters to help you solve this problem.

On Jan's school bus, there are 4 girls and the rest of the students are boys.

Exactly $\frac{1}{3}$ of the students on the school bus are girls.

Part A

How many boys are on Jan's school bus?

Answer _____ boys

Part B

On Jan's school bus, $\frac{1}{2}$ of the girls have the name Ashley. How many girls are named Ashley?

Answer _____ girls

Go On

47

Jacob has \$2.95 in coins. He has 6 quarters and 12 dimes. The rest of his coins are nickels. How many nickels does Jacob have?

Show your work.

Answer _____ nickels

48 Jasmine bought 26 pieces of fruit. She bought 6 oranges. She bought twice as many apples as oranges, and twice as many oranges as bananas. She also bought some pears.

In the table below, write the missing number for each type of fruit Jasmine bought.

JASMINE'S FRUIT

Fruit	Number Bought
Apples	
Oranges	6
Bananas	
Pears	
Total	26

On the lines below, explain how you found the number of pears.

STOP

Place Student Label Here



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