Summer Math Review Packet

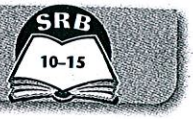
Everyday Math 3rd Grade Book

Return to your new teacher when school starts in the fall.

Name _____

Name _____ Date _____ Time _____

Practice Set 1



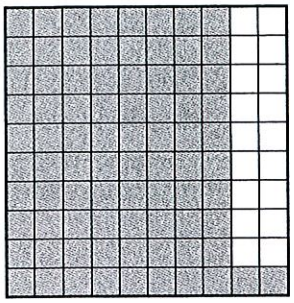
For each problem set below, do as many problems as you can in one minute. You can ask someone to time you.

Problem Set 1	Problem Set 2	Problem Set 3
1. 8 + 7 = _____	**16.** 9 + 1 = _____	**31.** 9 − 6 = _____
2. 3 + 1 = _____	**17.** 11 − 4 = _____	**32.** 16 − 8 = _____
3. 9 − 3 = _____	**18.** 7 + 2 = _____	**33.** 4 + 5 = _____
4. 13 − 9 = _____	**19.** 5 + 6 = _____	**34.** 8 + 3 = _____
5. 8 − 4 = _____	**20.** 1 + 7 = _____	**35.** 2 + 5 = _____
6. 6 + 2 = _____	**21.** 9 − 5 = _____	**36.** 15 − 9 = _____
7. 12 − 8 = _____	**22.** 7 + 3 = _____	**37.** 9 − 7 = _____
8. 8 + 5 = _____	**23.** 8 − 4 = _____	**38.** 10 + 1 = _____
9. 10 − 2 = _____	**24.** 6 + 5 = _____	**39.** 7 − 7 = _____
10. 9 − 0 = _____	**25.** 9 + 1 = _____	**40.** 8 + 6 = _____
11. 6 + 6 = _____	**26.** 14 − 6 = _____	**41.** 5 + 5 = _____
12. 7 + 7 = _____	**27.** 4 + 8 = _____	**42.** 8 − 5 = _____
13. 5 + 8 = _____	**28.** 7 + 4 = _____	**43.** 2 + 9 = _____
14. 8 − 3 = _____	**29.** 14 − 2 = _____	**44.** 16 − 6 = _____
15. 18 − 9 = _____	**30.** 10 + 4 = _____	**45.** 14 − 9 = _____

Name Date Time

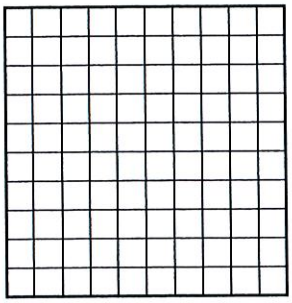
Grade 3 Review: Number and Numeration

1. Write the decimal value for the shaded part of the grid.



_____

2. Shade the grid to show the decimal.



0.67

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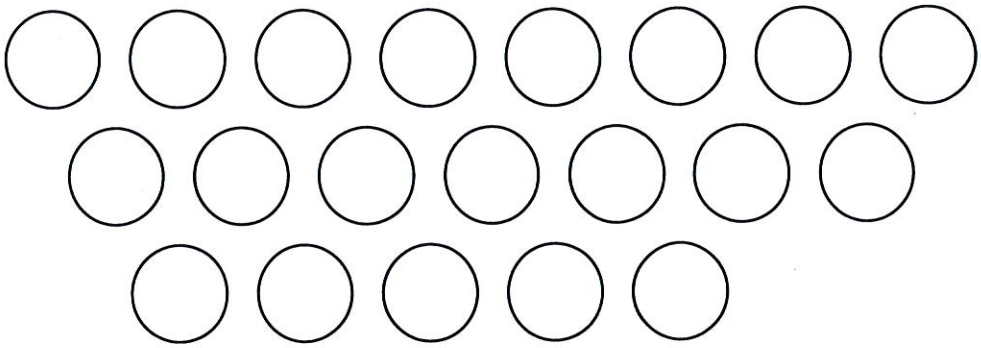
3. Anya has 20 marbles.



- $\frac{1}{5}$ of them are blue. Write a **B** in $\frac{1}{5}$ of the marbles.
- $\frac{1}{4}$ of them are red. Write an **R** in $\frac{1}{4}$ of the marbles.
- $\frac{1}{2}$ of them are yellow. Write a **Y** in $\frac{1}{2}$ of the marbles.
- The rest are green. How many of the marbles are green? _____
- What fraction of the marbles are green? _____

4. Write the multiples of 5.

5, 10, _____, _____, _____, _____, _____

Name Date Time

Grade 3 Review: Number and Numeration

5. Write 10 more names for 21 in the box.

21

6. Circle the greater number in each pair.

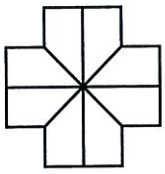
a. 7,964
7,694

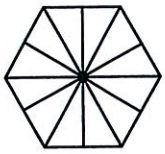
b. 35,014
35,140

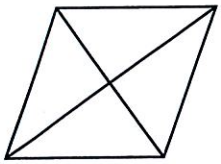
c. 861,285
816,285

d. 604,003
604,103

7. Shade $\frac{1}{4}$ of each figure. Write the equivalent fraction.







_____ _____ _____

8. The chart shows the amounts raised by children in each grade.

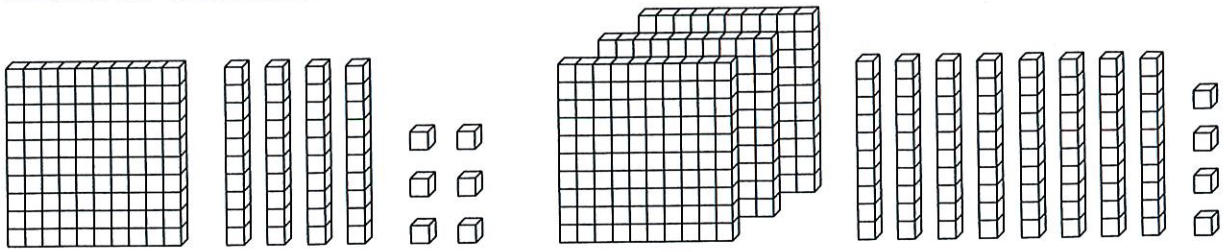
Use $<$, $>$ or $=$ to write a number sentence that compares the amounts of money raised by Grade 3 and Grade 5.

_____

Amounts Raised

Grade	Amount (in dollars)
2	$1,248
3	$1,264
4	$1,285
5	$1,259

9. What is the total number of blocks?



_____

Name Date Time

Grade 3 Review: Operations and Computation

Solve.

1. 60,000 + 30,000 = _____

2. 40,000 + 20,000 = _____

3. 70,000 − 50,000 = _____

4. 900,000 − 800,000 = _____

Write the fact families.

5. 54, 6, 9

_____ × _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

6. 7, 4, 28

_____ × _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

Multiply.

7.
61
× 8

8.
427
× 5

9.
56
× 9

10.
360
× 7

Make a ballpark estimate. Write a number model to show your estimate.

11. 796 − 387

_____ − _____ = _____

12. 403 − 105

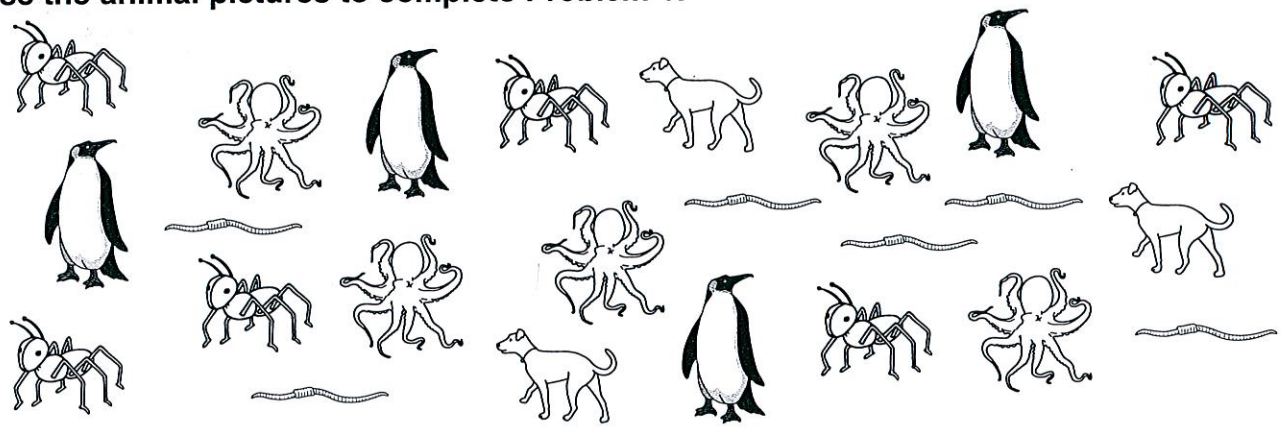
_____ − _____ = _____

13. Five children each bring 3 cans of food for the food drive. Draw a picture and write a number sentence to show how many cans of food the children brought all together.

Name Date Time

Grade 3 Review: Data and Chance

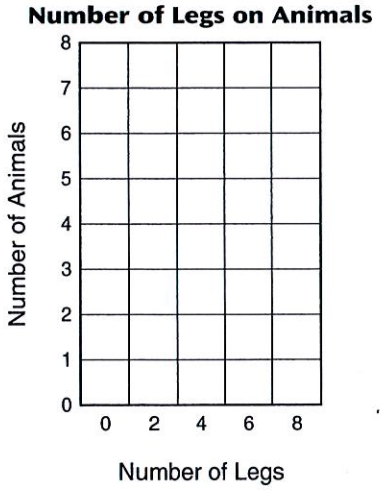
Use the animal pictures to complete Problem 1.



1. Complete the tally chart.

Number of Legs on Animals	
Number of Legs	**Number of Animals**
0	
2	
4	
6	
8	

2. Use the tally chart to complete the graph.



Use the graph to answer Problems 3–8.

3. What is the maximum of the data set? _____

4. What is the minimum of the data set? _____

5. What is the range of the data set? _____

6. What is the median of the data set? _____

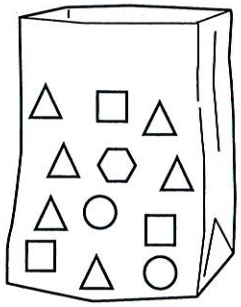
7. What is the mean of the data set? _____

8. What is the mode of the data set? _____

Name Date Time

Grade 3 Review: Data and Chance

Look at the bag of shapes. How likely are you to pick the given shape out of the bag without looking? Write *certain, very likely, likely, unlikely, very unlikely,* or *impossible.*



9. a circle _____

10. any shape _____

11. a hexagon _____

12. a triangle or square _____

13. a pentagon _____

14. a triangle _____

Look at the bag of shapes above. Write the answers.

15. What are the chances of picking a circle out of the bag without looking? _____ out of _____

16. What are the chances of picking *any* shape out of the bag without looking? _____ out of _____

17. What are the chances of picking a triangle or a square out of the bag without looking? _____ out of _____

18. What are the chances of picking a pentagon out of the bag without looking? _____ out of _____

19. What are the chances of picking a shape that is *not* a square out of the bag without looking? _____ out of _____

20. What are the chances of picking a hexagon, a circle, or a square out of the bag without looking? _____ out of _____

Name Date Time

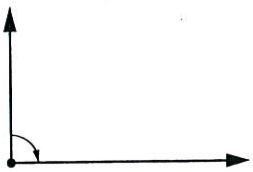
Grade 3 Review: Measurement and Reference Frames

Tell whether each angle shows a $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, or full turn.

1.

_____

2.

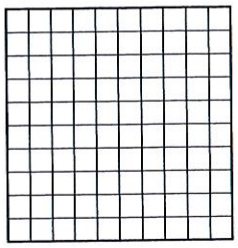


_____

3.

_____

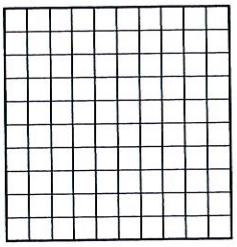
4. Draw a figure with a perimeter of 24 units.



What is the **area** of your figure?

_____ square units

5. Draw a figure with an area of 28 square units.



What is the **perimeter** of your figure?

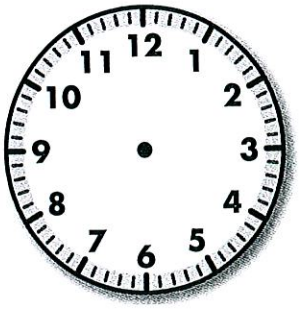
_____ units

6. Katie is 47 inches tall. How many feet tall is she? _____

How many inches are left over? _____

7. A regulation football field is 100 yards long.
How many feet long is a regulation football field? _____

8. Draw the hour and minute hands to show 3:38 P.M.



What time will it be 39 minutes later?

_____ : _____

9. Write the time in the afternoon shown on the clock. Circle A.M. or P.M.

_____ : _____ A.M. P.M.

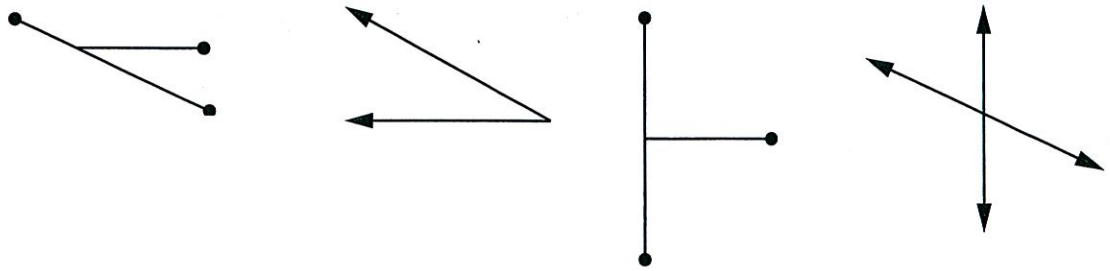
What time was it 57 minutes earlier?

Circle A.M. or P.M. _____ : _____ A.M. P.M.

Name Date Time

Grade 3 Review: Geometry

1. Write S next to each line segment. Write R next to each ray. Write L next to each line. Circle the right angle.



2. Draw lines $\overline{AB}$ and $\overline{YZ}$.

A Y

B Z

Are the lines intersecting or parallel?

_____

3. Draw lines $\overline{AZ}$ and $\overline{YB}$.

A Y

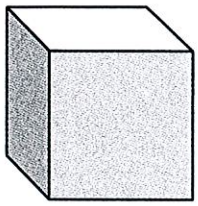
B Z

Are the lines intersecting or parallel?

_____

Name the shape and complete the sentences.

4. This shape is a _____.



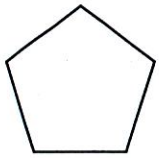
It has _____ faces.

It has _____ edges.

It has _____ vertices.

The base is shaped like a _____.

5. This shape is a _____.

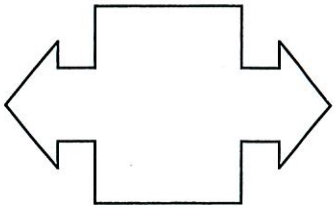


It has _____ sides.

It has _____ vertices.

6. Draw the other half of the symmetric shape below.

7. Draw all the lines of symmetry for the figure below.

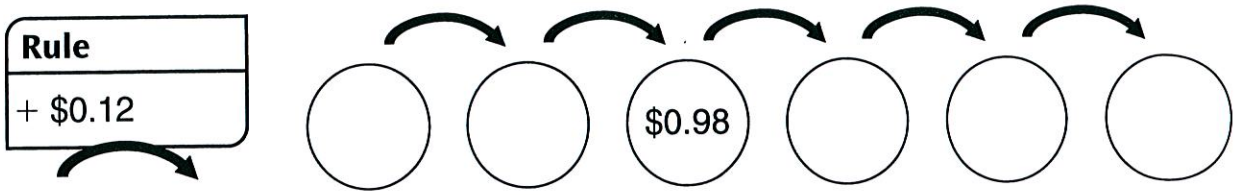


Name Date Time

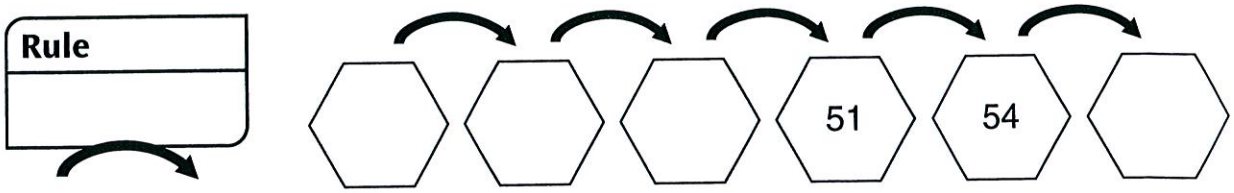
Grade 3 Review: Patterns, Functions, and Algebra

Complete the frames-and-arrows diagrams.

1. Use a dollar sign and decimal point.



2.



3. Describe the number pattern below. Write a number sentence that shows how to find the next number in the pattern.

0, 1, 1, 2, 3, 5, 8, 13

_____

_____

4. Bria earns $5.00 each week for helping around the house. Each week she buys a magazine that costs $3.00. She saves the rest of her money. Write a number sentence that shows how much money

Bria will have saved after 4 weeks. _____

Write <, >, or =.

5. $48 \div 8$ _____ 6×8

6. $(3 \times 2) + 5$ _____ $3 \times (2 + 5)$

7. $4 + (8 - 5)$ _____ $(4 + 8) - 5$

8. $15 - (5 \times 3)$ _____ $(15 - 5) \times 3$

Tell whether each number sentence is true or false.

9. $(6 + 3) + 5 = (5 + 6) + 3$ _____

10. $6 + (9 + 7) = 16 + 7$ _____

Name Date Time

Test Practice 1

Fill in the circle next to your answer.

1. This chart shows the amounts raised by children in each grade for a school fundraiser. Which of the following correctly compares the amounts of money raised by Grade 3 and Grade 5?

Amounts Raised	
Grade	**Amount (in dollars)**
2	$1,248
3	$1,264
4	$1,285
5	$1,259

Ⓐ $1,264 = $1,259 Ⓑ $1,264 + $1,259

Ⓒ $1,264 > $1,259 Ⓓ $1,264 < $1,259

2. What are the next 3 dates in this pattern?

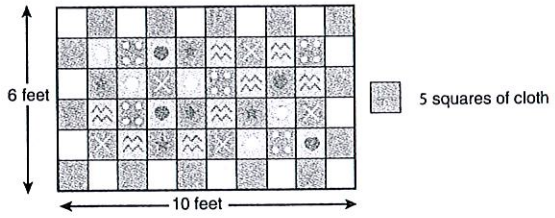
SEPTEMBER 2002

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14

Ⓐ September 15, 18, and 21 Ⓑ September 14, 16, and 18

Ⓒ September 13, 14, and 15 Ⓓ September 16, 20, and 24

3. Robin is sewing fabric squares together to make this quilt. Each square is 1 foot by 1 foot.



How many fabric squares will Robin need to make the quilt?

Ⓐ 10 Ⓑ 16 Ⓒ 32 Ⓓ 60

4. Beth is writing the fact family for the numbers 6, 7, and 13 on her Fact Triangle.

13 − 7 = 6 6 + 7 = 13 13 − 6 =7

Which fact is missing from her list?

Ⓐ 13 − 8 = 5 Ⓑ 7 + 6 = 13 Ⓒ 7 − 6 = 1 Ⓓ 6 + 7 = 42

5. Look at this pattern of dates. What date is missing?

May 4, 10, 16, _____, 28

Ⓐ 14 Ⓑ 18 Ⓒ 22 Ⓓ 26

Name Date Time

Test Practice 1 *continued*

Fill in the circle next to your answer.

6. At 8:00 A.M. the temperature in Key West was 63°F. The temperature in Pensacola was 41°F. Which of the following correctly shows the difference between the two temperatures?

Ⓐ $8 + 63 = 8 + 41$ Ⓑ $41 + 8 < 63$

Ⓒ $63 > 41 + 22$ Ⓓ $63 - 41 = 22$

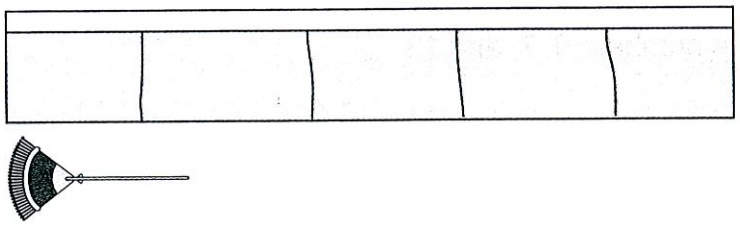
7. Mr. Brinkman's class will arrive at the museum two hours after it opens. This clock shows the time the museum opens. What time will they arrive at the museum?

Ⓐ 7:00 A.M. Ⓑ 9:00 A.M. Ⓒ 11:00 A.M. Ⓓ 1:00 A.M.

8. Gannett Peak is the highest point in Wyoming. It measures 13,804 feet tall. Which digit is in the **ten-thousands** place in 13,804?

Ⓐ 1 Ⓑ 3 Ⓒ 4 Ⓓ 8

9. The picture below shows a rake next to a sidewalk. The rake is 5 feet long. About how long is the sidewalk?



Ⓐ 10 feet Ⓑ 20 feet Ⓒ 30 feet Ⓓ 40 feet

Use with or after Unit 3.

Name Date Time

Test Practice 2

Fill in the circle next to your answer.

1. Which situation matches the equation below?

$$9 \times 3 = 27$$

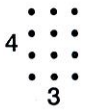
Ⓐ Alice had 27 photos. She placed 3 photos in her album. How many photos have not been placed in the album?

Ⓑ Alice placed 3 photos in her album. Then she placed 9 more in the album. How many photos are in Alice's album now?

Ⓒ Alice had 27 photos. She placed 9 photos on each page of her album. How many pages did Alice fill?

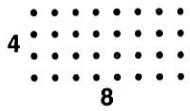
Ⓓ Alice filled 9 pages in her album. She placed 3 photos on each page. How many photos does she have in all?

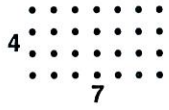
2. This picture shows that 3 and 4 are factors of 12.

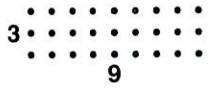


Which of the following shows factors of 27?

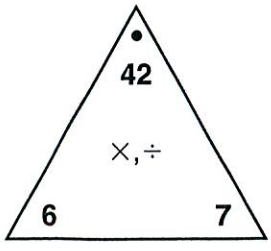
Ⓐ 

Ⓑ 

Ⓒ 

Ⓓ 

3. This Fact Triangle shows a fact family. Which of the following is NOT a member of this fact family?



Ⓐ $42 \div 6 = 7$

Ⓑ $3 \times 2 = 6$

Ⓒ $42 \div 7 = 6$

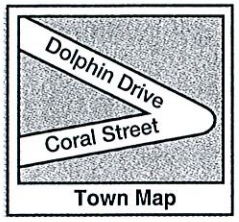
Ⓓ $7 \times 6 = 42$

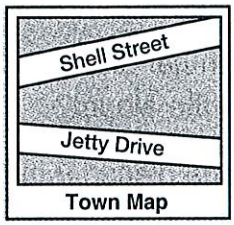
Name Date Time

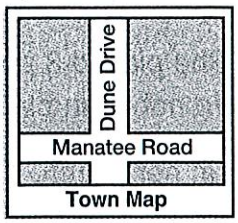
Test Practice 2 *continued*

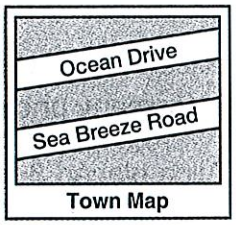
Fill in the circle next to your answer.

4. Which streets are parallel?

Ⓐ 

Ⓑ 

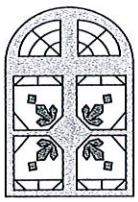
Ⓒ 

Ⓓ 

5. Which amount is equivalent to 3 dollar bills, 5 dimes, and 2 pennies?

Ⓐ $3.51 Ⓑ $3.52 Ⓒ $3.53 Ⓓ $3.25

6. Which of these stained glass windows has a picture that is **symmetric?**

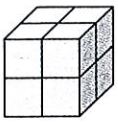
Ⓐ 

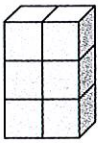
Ⓑ 

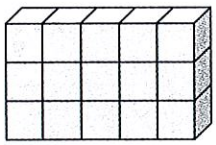
Ⓒ 

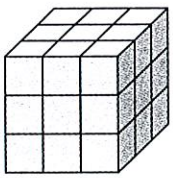
Ⓓ 

7. Which shape is made up of 27 cubes?

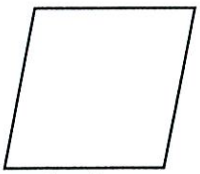
Ⓐ 

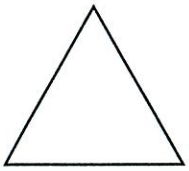
Ⓑ 

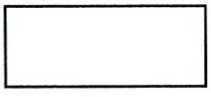
Ⓒ 

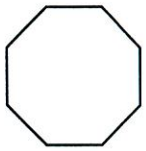
Ⓓ 

8. Which figure has right angles?

Ⓐ 
rhombus

Ⓑ 
equilateral triangle

Ⓒ 
rectangle

Ⓓ 
octagon

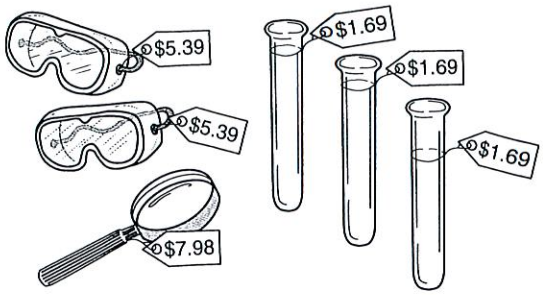
Use with or after Unit 6.

Name Date Time

Test Practice 3

Fill in the circle next to your answer.

1. Nick is buying these items at the science shop. Which of the following is the best estimate of his total cost?



Ⓐ Less than $22

Ⓑ Between $23 and $26

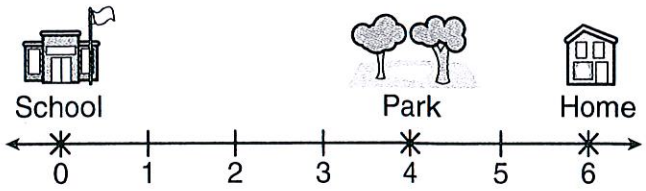
Ⓒ Between $27 and $31

Ⓓ More than $32

2. Mr. Williams charges $40 to mow each customer's lawn. How much money will Mr. Williams earn if he has 8 customers?

Ⓐ $5 Ⓑ $48 Ⓒ $320 Ⓓ $408

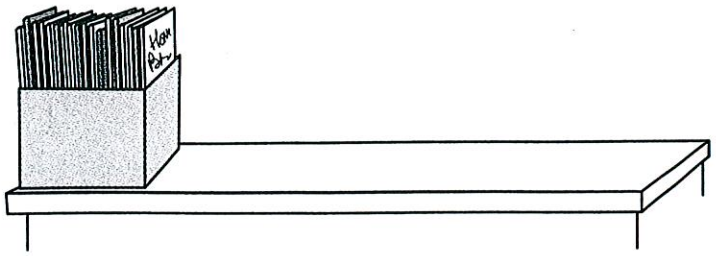
3. Matt leaves school and stops at the park on his way home. The park is $\frac{4}{6}$ of the way to his home.



Which fraction is equal to $\frac{4}{6}$?

Ⓐ $\frac{1}{6}$ Ⓑ $\frac{1}{3}$ Ⓒ $\frac{1}{2}$ Ⓓ $\frac{2}{3}$

4. Grace fills each magazine holder with 20 magazines. Then she places the magazine holder on the shelf. About how many magazines will fill the shelf?



Ⓐ 20 Ⓑ 50

Ⓒ 80 Ⓓ 120

Name Date Time

Test Practice 3 *continued*

Fill in the circle next to your answer.

5. This much pizza was left over after Salvador ate.

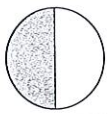
Emily's pizza is sliced as shown. If Emily eats the same amount of pizza as Salvador, how many pieces will be left over?

Ⓐ 1 Ⓑ 2

Ⓒ 3 Ⓓ 4

6. Mr. Montales made the chart below. It shows how much time four students spent studying their spelling words.

Time Spent Studying

Student	Time (in fractions of an hour)
Mary Anne	$\frac{1}{3}$ hour 
Jared	$\frac{1}{2}$ hour 
Erin	$\frac{1}{8}$ hour 
Bill	$\frac{1}{5}$ hour 

Which student spent the **least** amount of time studying?

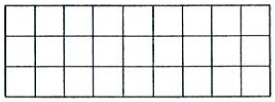
Ⓐ Mary Anne Ⓑ Jared

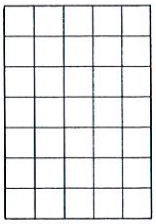
Ⓒ Erin Ⓓ Bill

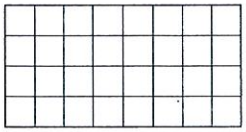
Name Date Time

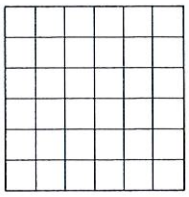
Test Practice 3 *continued*

7. Each of these shapes has a perimeter of 24 centimeters. Which shape has the **greatest** area?

Ⓐ 

Ⓑ 

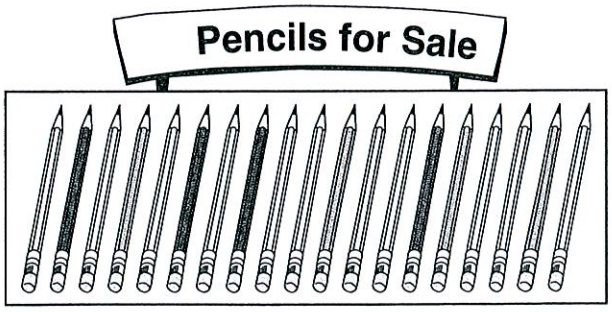
Ⓒ 

Ⓓ 

8. Last week, 46 third graders signed up for summer camp. Each cabin holds 6 children. How many cabins are needed?

Ⓐ 7 Ⓑ 8 Ⓒ 40 Ⓓ 52

9. Ed, Kay, Max, and Jasmine sold the pencils shown below at the school fair. They each sold an equal number of pencils. How many pencils were left over?



Ⓐ 1 Ⓑ 2 Ⓒ 3 Ⓓ 4

Name Date Time

Test Practice 4

Fill in the circle next to your answer.

1. How many hours are in 2 days?

Ⓐ 12 Ⓑ 24 Ⓒ 36 Ⓓ 48

2. These are the ages of the 6 art contest winners.

8, 6, 5, 7, 6, 10

What is the **range** of the ages?

Ⓐ 5 Ⓑ 6

Ⓒ 7 Ⓓ 10

3. Donna rolled 2 number cubes and wrote down the sum. She rolled 5 times. Look at Donna's data.

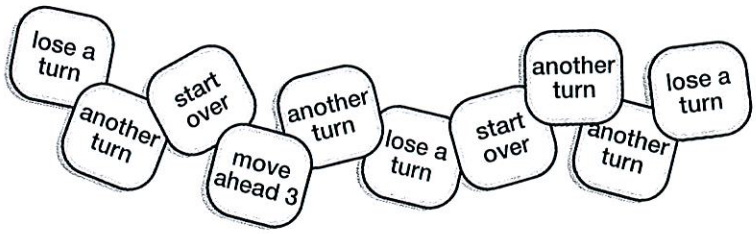
Sum: 7, 5, 2, 7, 10

Which statement is true about this set of data?

Ⓐ mode = median Ⓑ median > mode

Ⓒ mode < median Ⓓ median < mode

4. There are 10 chance cards in a game.



Ross shuffles the cards and places them facedown. Which card is **most** likely to be picked?

Ⓐ move ahead 3 Ⓑ start over

Ⓒ another turn Ⓓ lose a turn

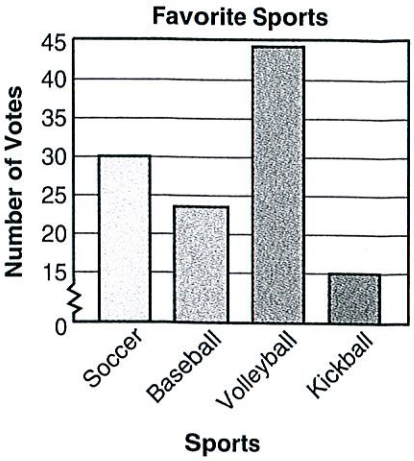
Use with or after Unit 11.

Name Date Time

Test Practice 4 *continued*

Fill in the circle next to your answer.

5. Jorge made a graph to show some of the children's favorite sports at Crest Ridge School.
Which of the following is true?



Ⓐ Soccer is the most popular sport.

Ⓑ Volleyball received more than 50 votes.

Ⓒ Kickball received the fewest number of votes.

Ⓓ Baseball is twice as popular as kickball.

6. Stephen runs around the track each day at school.
After school, he writes down the number of laps he ran.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
4	3	6	7	5

What is the **mean** of these numbers?

Ⓐ 3 Ⓑ 5 Ⓒ 7 Ⓓ 25

7. Mrs. Martinez asked the children in her class which instrument was their favorite. A total of 10 children chose the flute.

Favorite Instruments

Instrument	Number of Children
Oboe	♪♪♪
Flute	
Clarinet	♪♪

Key
♪ = 2 votes

In this pictograph, how many notes should there be for the flute?

Ⓐ 2 Ⓑ 3 Ⓒ 5 Ⓓ 10