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Daily Math Practice

Grade

3



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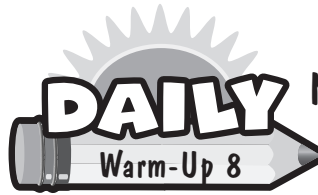
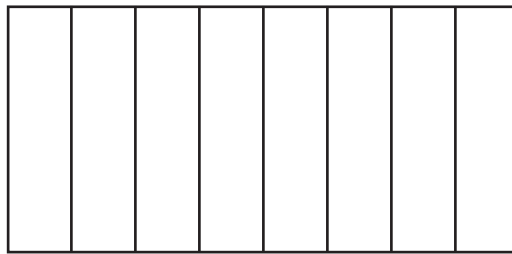
Name _____ Date _____

1. Yesica earned the money below cleaning her grandmother's yard. How much money did Yesica earn? (Circle the correct letter.)

- A. \$4.00
- B. \$4.75
- C. \$4.85
- D. \$5.00



2. Shade in $\frac{3}{8}$ with your pencil.



Name _____ Date _____

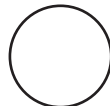
1. Which number is five hundred twelve? (Circle the correct letter.)

- A. 5,012
- B. 521
- C. 512
- D. 502

2. Which symbol will make this problem true? (Circle the correct letter.)

- A. >
- B. <
- C. =
- D. not given

934

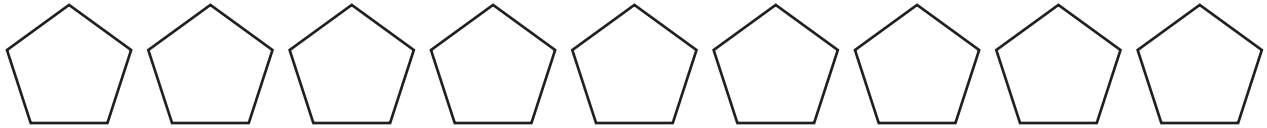


943



Name _____ Date _____

1. Color $\frac{3}{9}$ of the pentagons below.



2. In words, write the number of points Sam and Pam scored altogether on the line below.

Friends	Sam	Pam	Pete
Points Earned	45	67	38

Sam and Pam scored _____ points.



Name _____ Date _____

1. George has 1,632 acres of land. How is this number written in words? (*Circle the correct letter.*)

- A. Six hundred thirty-two C. One thousand, six hundred thirty-two
 B. Six thousand, six hundred thirty-two D. One thousand, six hundred twenty-three

2. Which problem below is true? (*Circle the correct letter.*)

- A. $12,345 =$ one thousand, three hundred fifty-four
 B. $23,981 =$ twenty-three thousand, nine hundred eighty-one
 C. $20,319 =$ twenty thousand, three hundred nine
 D. $15,209 =$ fifteen thousand, two hundred nineteen



Name _____ Date _____

1. Which answer shows forty-three? (Circle the correct letter.)

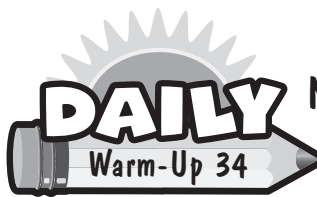
A.

B.

C.

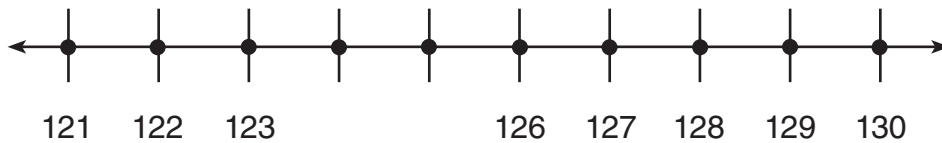
D.

2. Shade four of the rectangles with your pencil. What fraction of the whole rectangle is now shaded?



Name _____ Date _____

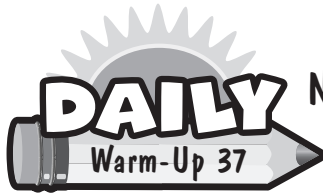
1. Which numbers are missing from the number line?



_____ and _____

2. Mr. Roberts works at a hardware store. The store was out of screwdrivers so he ordered some more. How many screwdrivers did Mr. Roberts order?

_____ tens and _____ ones = _____ screwdrivers

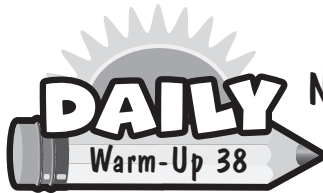


Name _____ Date _____

1. Write the value of each number on the place value chart. The first one is done for you.

	Ten Thousands	Thousands	Hundreds	Tens	Ones
2,345 =		2,000	300	40	5
18,312 =					
9,437 =					
37,658 =					

2. How do you know if a number is even or odd?

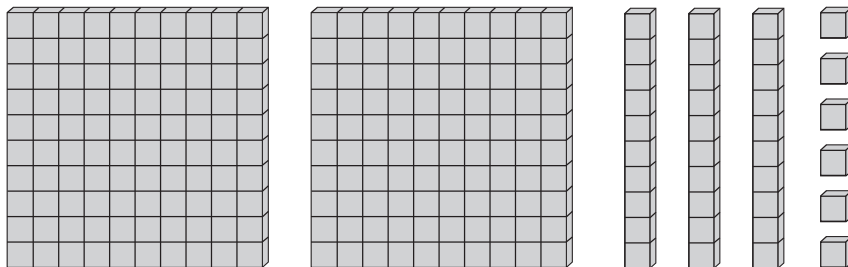


Name _____ Date _____

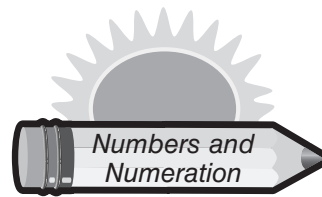
1. Starting at the left, circle the thirteenth medal.



2. How many cubes are shown below?



_____ hundreds _____ tens _____ ones = _____ cubes



Answer Key

Warm-Up 1

- B
- C

Warm-Up 2

- D
- 

Warm-Up 3

- D
- C

Warm-Up 4

- 408 cubes
- < ; the ones place


Warm-Up 5

- D
- B

Warm-Up 6

- C
- B

Warm-Up 7

- D
- 

Warm-Up 8

- C
- B

Warm-Up 9

- A. 56
B. 95
C. 62
D. 49
- D

Warm-Up 10

- D
- C

Warm-Up 11

- 126 people
- C

Warm-Up 12

- C
- B

Warm-Up 13

- C
- C

Warm-Up 14

- C
- B

Warm-Up 15

- A. 97
B. 83
C. 15
D. 100
E. 49
F. 26
G. 50
H. 112

- 2 hundreds, 1 ten, 2 ones

Warm-Up 16

- $\frac{6}{12}$ or $\frac{1}{2}$
- A

Warm-Up 17

- A
- C

Warm-Up 18

- B
- C

Warm-Up 19

- D
- 64, 66, 68, 70

Warm-Up 20

- 1,170 points
- A

Warm-Up 21

- 61
- A. 0.4
B. 0.7
C. 0.6
D. 1.3

- 2.4
- 4.8
- 2.5

Warm-Up 22

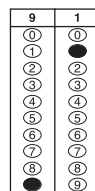
- D
- A

Warm-Up 23

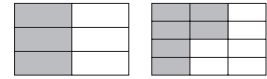
- C
- 200 points

Warm-Up 24

- 91



2. $\frac{3}{6}$ $\frac{6}{12}$



Warm-Up 25

- A. 8,000
B. 8
C. 8,000
D. 80
E. 80,000
F. 8,000
G. 8,000
- A. 122
B. 91
C. 139
D. 157
E. 71
F. 294
G. 322
H. 457

Warm-Up 26

- $90 + 8$; 9 tens and 8 ones
- 1 hundred, 4 tens, 3 ones

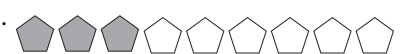
Warm-Up 27

- 4
- 1 hundred, 2 tens, 6 ones

Warm-Up 28

- twelve thousand, three hundred ninety-eight
- <

Warm-Up 29

- 
- one hundred twelve


Warm-Up 30

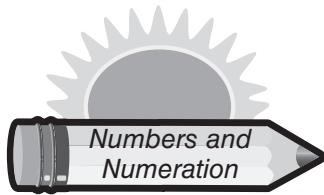
- C
- B

Warm-Up 31

- B
- 17

Warm-Up 32

- B
-  ; $\frac{2}{4}$ or $\frac{1}{2}$



Answer Key

Warm-Up 33

- D
- $\frac{4}{8}$ or $\frac{1}{2}$

Warm-Up 34

- 124 and 125
- 4 tens and 8 ones = 48 screwdrivers

Warm-Up 35

- B
- A

Warm-Up 36

- C
- A. ten thousands
B. thousands
C. hundreds
D. tens

Warm-Up 37

1.

	Ten Thousands	Thousands	Hundreds	Tens	Ones
2,345 =		2,000	300	40	5
18,312 =	10,000	8,000	300	10	2
9,437 =		9,000	400	30	7
37,658 =	30,000	7,000	600	50	8

- Answers will vary.

Warm-Up 38

- Circle the 13th medal.
- 2 hundreds, 3 tens, and 6 ones = 236 cubes

Warm-Up 39

- B
- C

Warm-Up 40

- 130, 215, 345, 420, 514
- >

Warm-Up 41

- C
- A

Warm-Up 42

- B
- 2,349

Warm-Up 43

- A. ten thousand, four hundred twenty-five
B. two thousand, three hundred seventy-five
C. four hundred fifty-two
D. nine hundred eighty-six
- $\frac{2}{3}$; pictures will vary

Warm-Up 44

- 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38 should be shaded
-

Warm-Up 45

- C
- 0 hundreds, 10 tens, 6 ones = 106 cubes

Warm-Up 46

- C
- 44, 46, 48, 50, 52, 54, 56, 58 should be shaded

Warm-Up 47

- $\frac{2}{8}$ or $\frac{1}{4}$
- A

Warm-Up 48

- A
- $\frac{4}{6}$ or $\frac{2}{3}$

Warm-Up 49

- D
- C

Warm-Up 50

- Twelve thousand, seven hundred fifty-nine
- B

Warm-Up 51

- A
- D

Warm-Up 52

- A
- B

Warm-Up 53

- A. 59,910
B. 43,623
C. 93,005
D. 961
- A. ten thousands
B. thousands
C. ones
D. hundreds
E. tens
F. ten thousands
G. hundreds
H. tens

Warm-Up 54

- D
- A. ten thousands
B. thousands
C. hundreds
D. tens

Warm-Up 55

1.

	Ten Thousands	Thousands	Hundreds	Tens	Ones
9,535 =		9,000	500	30	5
58,312 =	50,000	8,000	300	10	2
42,345 =	40,000	2,000	300	40	5
17,067 =	10,000	7,000	0	60	7

2. C

Warm-Up 56

-

- 1 hundred, 4 tens, 6 ones = 146

Warm-Up 57

- A. 100
B. 300
C. 800
D. 200
E. 500
F. 200
G. 200
H. 800
- I. 150
J. 290
K. 830
L. 210
M. 520
N. 160
O. 180
P. 760

2. 12,942

Warm-Up 58

- 869 people
- B

Warm-Up 59

- B
- A

Warm-Up 60

- A
- D

Warm-Up 61

- Linda, Janet, Frank, and Joe
- A

Warm-Up 62

- C
- There should be a total of 12 people drawn. The 5th person in line should be labeled *Rico*. The 12th person in line should be labeled *Ernest*.



Name _____ Date _____

1. Ginger has 59 green hair ribbons and 82 yellow hair ribbons. She gave 27 yellow hair ribbons to her sister. About how many hair ribbons does Ginger now have? (*Circle the correct letter.*)

A. 60

C. 240

B. 110

D. 170

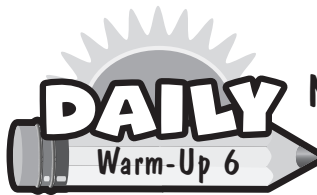
2. Betty placed 9 pictures on each of the 4 shelves in her living room. How many total pictures does Betty have on the shelves? (*Circle the correct letter.*)

A. 5

C. 36

B. 14

D. 45



Name _____ Date _____

1. A school bus has 98 seats. Today, students are sitting in 56 seats. Which is the best estimate of the number of seats that are not being used? (*Circle the correct letter.*)

A. 30

C. 140

B. 40

D. 160

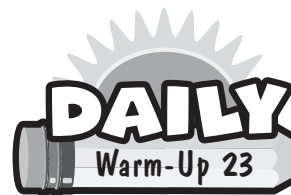
2. Jody bought a comic book for \$2.50 and a hamburger combo for \$4.99. If Jody used \$10.00 to pay, which of these shows one way to find how much money Jody received back? (*Circle the correct letter.*)

A. Add \$2.50, \$2.50, and \$4.99.

B. Add \$2.50 and \$10.00, then subtract the total from \$4.99.

C. Add \$2.50 and \$4.99, then add to \$10.00.

D. Add \$2.50 and \$4.99, then subtract the total from \$10.00.



Name _____ Date _____

1. Eight students each bought a box of chocolate candy bars. There were 9 candy bars in each box. How many candy bars did they buy in all? (*Show your work and write your final answer on the line.*)

_____ candy bars

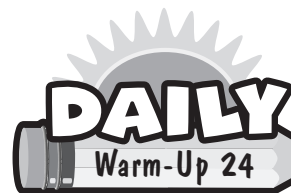
2. Solve the following problems.

$$\begin{array}{r} \text{A. } 50 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} \text{B. } 182 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} \text{C. } 6 \\ \times 4 \\ \hline \end{array}$$

$$\text{D. } 15 \div 3 = \underline{\hspace{2cm}}$$



Name _____ Date _____

1. The table shows the number of soft drinks sold at a baseball game. Which number sentence can be used to find how many more grape sodas were sold than orange sodas? (*Circle the correct letter.*)

A. $784 - 463 =$

B. $784 + 567 =$

C. $784 - 567 =$

D. $784 + 463 =$

Drinks Sold	
Grape	784
Cola	1,974
Vanilla	463
Orange	567

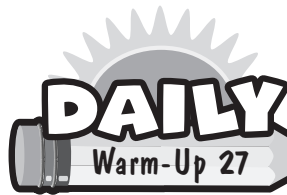
2. Jerry is looking at two books to buy. The first book has 420 pages. The second book has 639 pages. How many more pages does the second book have than the first? (*Circle the correct letter.*)

A. 1,059

B. 959

C. 119

D. 219

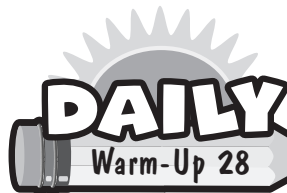


Name _____ Date _____

1. Jan wants to give 4 cupcakes to each of her 3 children. How many cupcakes will Jan need?

Use addition to solve this problem.	Use multiplication to solve this problem.

2. Write a word problem for the number sentence $2 \times 5 = 10$.



Name _____ Date _____

1. Beth canned 165 jars of jam over the summer. She had 58 jars of jam left over from last year. How many jars of jam does Beth have altogether? (*Show your work and write your final answer on the line.*)

_____ jars

2. Nancy babysat her niece for 3 hours. She earned \$5.00 for each hour she worked. How much money was Nancy paid for babysitting? (*Circle the correct letter.*)

A. \$12.00

C. \$9.00

B. \$10.00

D. \$15.00



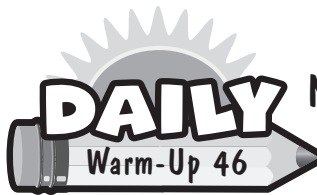
Name _____ Date _____

1. Sue is making a dress. She has 12 each of green, yellow, orange, and red buttons. If she used all the green and red buttons, how many buttons did she use? (*Show your work and write your final answer on the line.*)

_____ buttons

2. Nancy has 16 cookies. She would like to give them to her friends so that each person has the same amount. If she has 4 friends, how many cookies can she give each friend? (*Show your work and write your final answer on the line.*)

_____ cookies



Name _____ Date _____

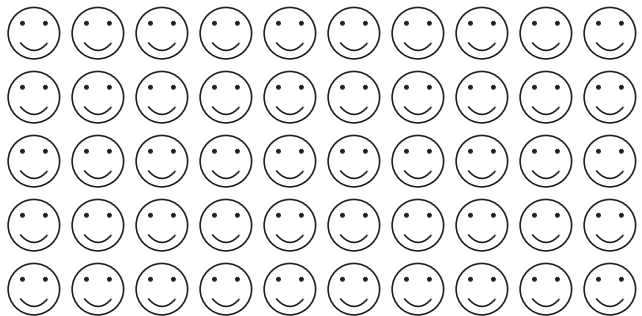
1. Which number sentence below represents the picture? (*Circle the correct letter.*)

A. $10 - 5 = 6$

B. $10 + 5 = 15$

C. $10 \div 5 = 2$

D. $10 \times 5 = 50$



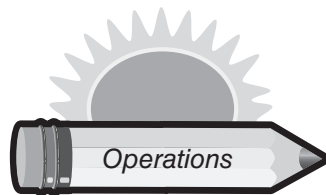
2. Each of the 22 students in Mrs. Watkins' class read 4 pages last night. How many total pages did they read altogether? (*Circle the correct letter.*)

A. 18

C. 46

B. 78

D. 88



Answer Key

Warm-Up 1

1. D
2. C

Warm-Up 2

1. 17 pencils
2. You should add 50 to 20 to find Damon's total. Then add Damon's 70 cards to Jeffrey's 50 to get 120 baseball cards.

Warm-Up 3

1. 16
2. B

Warm-Up 4

1. 48 buttons
2. 12 tomatoes

Warm-Up 5

1. B
2. C

Warm-Up 6

1. B
2. D

Warm-Up 7

1. 6 days
2. You should add \$24 and \$44, then subtract that total from \$89 to get \$21.

Warm-Up 8

1. 100 dolls
2. D

Warm-Up 9

1. D
2. A

Warm-Up 10

1. D
2. D

Warm-Up 11

1. D
2. 30 apples

Warm-Up 12

1. C
2. B

Warm-Up 13

1. D
2. 5 cousins

Warm-Up 14

1. A. 21
B. 14
C. 56
2. 12 students; Divide 24 by 2

Warm-Up 15

1. D
2. A

Warm-Up 16

1. C
2. 20 more miles

Warm-Up 17

1. 175 pages; Multiply 25 and 7
2. 15 horses

Warm-Up 18

1. 32 days
2. C

Warm-Up 19

1. D
2. B

Warm-Up 20

1. C; 56
2. A. 65 D. 14
B. 51 E. 38
C. 46 F. 61

Warm-Up 21

1. Multiply 8 and 4 to get 32 legs.
2. C

Warm-Up 22

1. 63 dominoes
2. Answers will vary.

Warm-Up 23

1. 72 candy bars
2. A. 30
B. 229
C. 24
D. 5

Warm-Up 24

1. C
2. D

Warm-Up 25

1. 4 pictures
2. You should subtract 143 from 210 to get 67 chickens.

Warm-Up 26

1. 254 miles
2. D

Warm-Up 27

1. Addition: $4 + 4 + 4 = 12$ cupcakes
Multiplication: $4 \times 3 = 12$ cupcakes
2. Answers will vary.

Warm-Up 28

1. 223 jars
2. D

Warm-Up 29

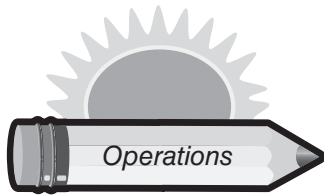
1. 432 chickens
2. B

Warm-Up 30

1. 48 tickets
2. 10 miles; Add 3 and 2 to get the combined total of 5 miles. Then double it to get 10 miles.

Warm-Up 31

1. 18 cupcakes
2. Add 20 and 89 to find the number of quarters Terry has. Then add Terry's 109 quarters to Robin's 89 quarters to get a total of 198 quarters.



Answer Key

Warm-Up 32

1. D
2. \$50

Warm-Up 33

1. D
2. D

Warm-Up 34

1. 7 shells
2. 23,716 miles

Warm-Up 35

1. C
2. D

Warm-Up 36

1. 3 tea bags
2. C

Warm-Up 37

1. B
2. D

Warm-Up 38

1. A
2. C

Warm-Up 39

1. C
2. D

Warm-Up 40

1. B
2. A. 131
B. 86
C. 66
D. 26

Warm-Up 41

1. D
2. Add 23 to 18 to get a total of 41 birds.

Warm-Up 42

1. 132 apples
2. 1. = B
2. = A
3. = C

Warm-Up 43

1. Subtract 30¢ from Jane's original 99¢ to get 69¢.
2. The Giraffes won by 60 points.

Warm-Up 44

1. 648
2. A. 102
B. 111
C. 69

Warm-Up 45

1. 24 buttons
2. 4 cookies

Warm-Up 46

1. D
2. D

Warm-Up 47

1. C
2. D

Warm-Up 48

- 1.

13	6	9	8	0
8	5	11	5	9
14	8	1	12	7
12	5	9	2	2
7	10	5	4	3

2. Divide 40 by 5 to get 8 rows.

Warm-Up 49

1. 36 marbles
2. Add 53 and 12 to get a total of 65 rose bushes.

Warm-Up 50

1. D
2. 135 geese

Warm-Up 51

1. B
2. 520 tickets

Warm-Up 52

1. D
2. 63 students

Warm-Up 53

1. 6 cookies
2. B

Warm-Up 54

1. C
2. 70 fences

Warm-Up 55

1. 3 more miles
2. $3 \times 7 = 21$ or $3 \times 7 = 21$
 $8 \times 2 = 16$ or $2 \times 8 = 16$
 $5 \times 6 = 30$ or $6 \times 5 = 30$

Warm-Up 56

1. 30 baseball cards
2. A. 153
B. 4
C. 332

Warm-Up 57

1. 98 more marbles
2. D

Warm-Up 58

1. 16 glue sticks
2. A. 6
B. 36
C. 54
D. 43
E. 22
F. 20

Warm-Up 59

1. D
2. D

Warm-Up 60

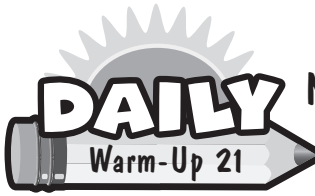
1. A. 58
B. 8
C. 3
D. 84
2. 6 days

Warm-Up 61

1. Answers will vary.
2. 32 legs

Warm-Up 62

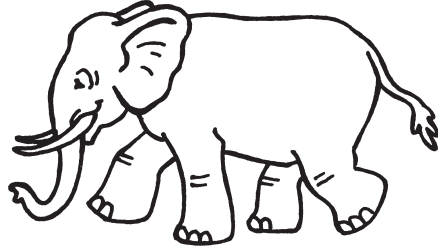
1. C
2. B



Name _____ Date _____

1. Which would be the best unit to measure the weight of an elephant? (Circle the correct letter.)

- A. tons
- B. inches
- C. grams
- D. kilograms



2. In June, the Chess Club meets every Thursday. How many times will the Chess Club meet in June?

June						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

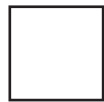
The Chess Club will meet _____ times in June.



Name _____ Date _____

1. Jim drew the shapes below on the board. He challenged his friend to find which shape has less than 4 sides. If his friend answered correctly, which answer did he give? (Circle the correct letter.)

- A. W
- B. X
- C. Y
- D. Z



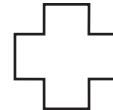
W



X



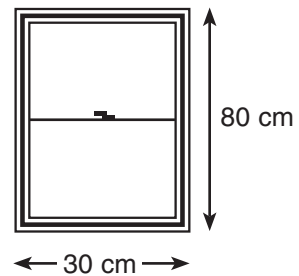
Y

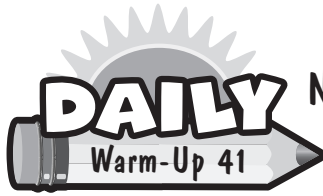


Z

2. James is putting in a new window in his house. What is the perimeter of the window James is installing? (Circle the correct letter.)

- A. 110 cm
- B. 120 cm
- C. 210 cm
- D. 220 cm



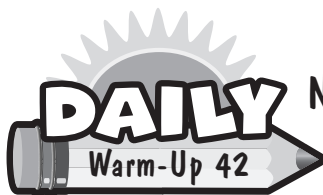
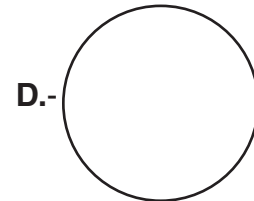
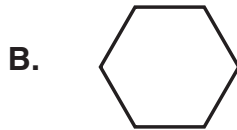
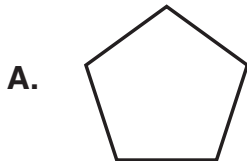


Name _____ Date _____

1. Lisa drinks one cup of coffee in the morning before she goes to work. Which is the best estimate of the capacity of her coffee cup? (Circle the correct letter.)

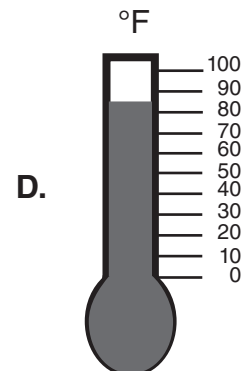
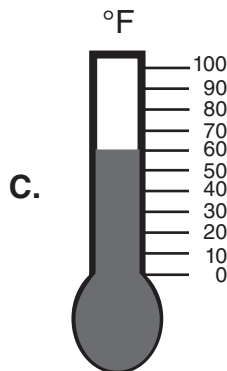
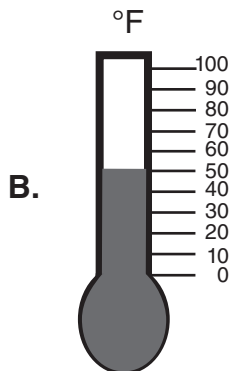
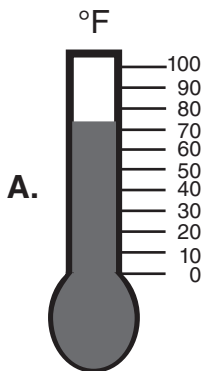
- A. 120 milliliters
- B. 120 gallons
- C. 120 liters
- D. 120 centimeters

2. Which shape below is a pentagon? (Circle the correct letter.)



Name _____ Date _____

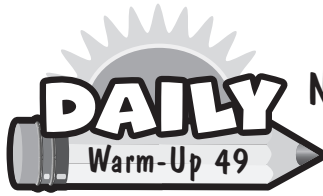
1. Which thermometer shows the hottest temperature? (Circle the correct letter.)



2. Use your ruler to measure the length of the paintbrush to the nearest inch. (Circle the correct letter.)



- A. 4 inches
- B. 5 inches
- C. 6 inches
- D. 7 inches

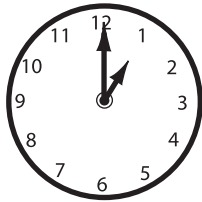


Name _____ Date _____

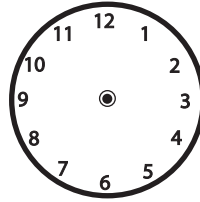
1. Janice bought 2 pounds of apples. How many ounces are in 2 pounds? (Circle the correct letter.)

- A. 16 ounces B. 32 ounces C. 36 ounces D. 48 ounces

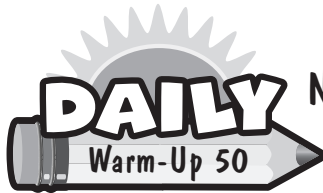
2. John started mowing his lawn at 1:00. He finished 45 minutes later. Mark the time he finished on the clock below.



Started



Finished



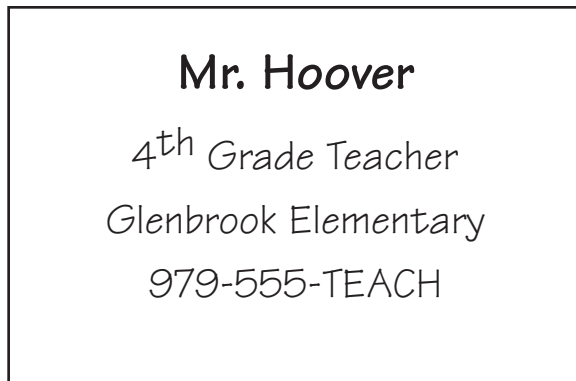
Name _____ Date _____

1. Which letter does not have a line of symmetry? (Circle the correct letter.)

- A. **M** B. **R** C. **T** D. **H**

2. Mr. Hoover is a teacher. He made business cards to give to his students' parents. Use your ruler to measure the perimeter of the business card in inches. (Circle the correct letter.)

- A. 5 inches
B. 6 inches
C. 9 inches
D. 10 inches

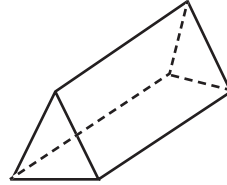




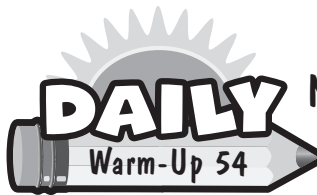
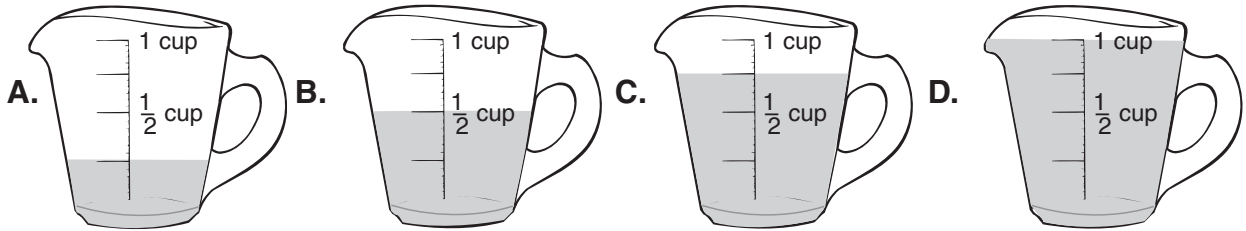
Name _____ Date _____

1. Which is **not** true about a triangular prism? (Circle the correct letter.)

- A. It has 5 faces.
- B. It has 6 faces.
- C. It has 2 faces that are triangles.
- D. It has 3 faces that are rectangles.



2. Which measuring cup shows $\frac{3}{4}$ of cup full? (Circle the correct letter.)



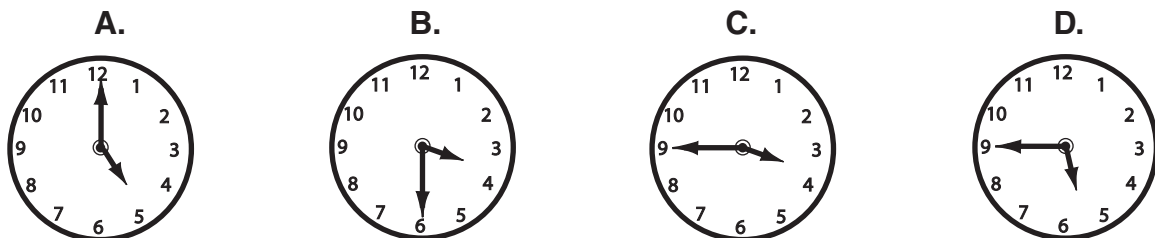
Name _____ Date _____

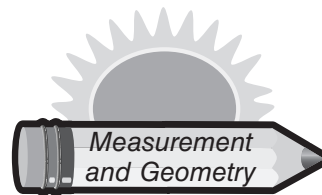
1. Seth and Cane each drew a rectangle on a sheet of paper. Seth's rectangle was 8 centimeters long. How long is Cane's rectangle? (Circle the correct letter.)

- A. 4 centimeters
- B. 6 centimeters
- C. 8 centimeters
- D. 10 centimeters



2. Margo left work at 3:30 P.M. She arrived home 2 hours and 15 minutes later. Which clock shows the time Margo arrived home? (Circle the correct letter.)





Answer Key

Warm-Up 1

1. B
2. C

Warm-Up 2

1. D
2. B

Warm-Up 3

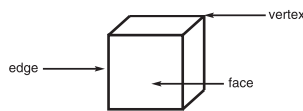
1. C
2. A

Warm-Up 4

1. A. S
B. S
C. P
D. P
E. S
2. C

Warm-Up 5

- 1.



2. C

Warm-Up 6

1. C
2. D

Warm-Up 7

1. C
2. A

Warm-Up 8

1. A. 3; triangle
B. 5; pentagon
C. 6; hexagon
D. 4; rectangle

2. A

Warm-Up 9

1. C
2. C

Warm-Up 10

1. 52 square feet
2. D

Warm-Up 11

1. B
2. B

Warm-Up 12

1. D
2. B

Warm-Up 13

1. C
2. No. The shape on the left is a cube. The shape on the right is a rectangular prism.

Warm-Up 14

1. A
2. A. Number of sides = 6
Name of shape = hexagon
B. Number of sides = 5
Name of shape = pentagon
C. Number of sides = 8
Name of shape = octagon

Warm-Up 15

1. C
- 2.

Warm-Up 16

1. 80 feet
2. A

Warm-Up 17

1. C
2. No

Warm-Up 18

1. C
2. D

Warm-Up 19

1. D
2. B

Warm-Up 20

1. The lines are perpendicular because they make right angles where they intersect. Parallel lines never intersect.
2. 25 days

Warm-Up 21

1. A
2. 4 times

Warm-Up 22

1. C
2. D

Warm-Up 23

1. C
2. D

Warm-Up 24

1. A
2. 8 cm

Warm-Up 25

1. D
2. Alike

Warm-Up 26

1. B
2. A. 4 Mondays
B. 30 days

Warm-Up 27

1. A and D
- 2.

Warm-Up 28

1. A
2. B

Warm-Up 29

1. C
2. A

Warm-Up 30

1. B
- 2.

Warm-Up 31

1. D
2. A. 4:40



- B. 5:30

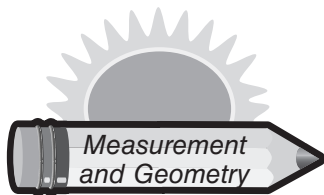


- C. 12:00



- D. 9:25





Answer Key

Warm-Up 32

- 7 cm
- C

Warm-Up 33

- D
- D

Warm-Up 34

- 24 inches
- C

Warm-Up 35

- The one on the left is a cube and the one on the right is a rectangular prism.
- Parallel lines are correct if lines will never intersect. Perpendicular lines are correct if they intersect at 90° angles.

Warm-Up 36

- A
- B

Warm-Up 37

- D
- B

Warm-Up 38

- B
- D

Warm-Up 39

- Samantha: A, D
Mandy: B, C
- C

Warm-Up 40

- D
- A

Warm-Up 41

- A
- A

Warm-Up 42

- D
- B

Warm-Up 43

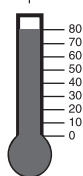
- C
- $2\frac{1}{2}$ inches

Warm-Up 44

- D
- B

Warm-Up 45

1.



2. A

Warm-Up 46

- B
- A

Warm-Up 47

- C
- D

Warm-Up 48

- C
- 45 more minutes

Warm-Up 49

1. B

2.



Warm-Up 50

- B
- D

Warm-Up 51

- B
- 10 units

Warm-Up 52

- B
- A

Warm-Up 53

- B
- C

Warm-Up 54

- A
- D

Warm-Up 55

- D
- C

Warm-Up 56

- C
- 1 = B
2 = D
3 = C
4 = A

Warm-Up 57

1. B

2.

Solid Shapes	Plane Shapes
Cylinder	Hexagon
Sphere	Triangle
Rectangular Prism	Pentagon

Warm-Up 58

- 72 inches
- 25 more days

Warm-Up 59

- D
- B

Warm-Up 60

- B
- A

Warm-Up 61

- A. congruent
B. congruent
C. not congruent

2.



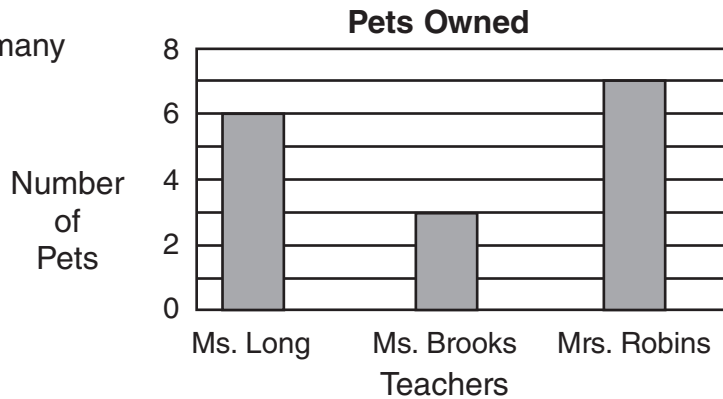
Warm-Up 62

- A
- B



Name _____ Date _____

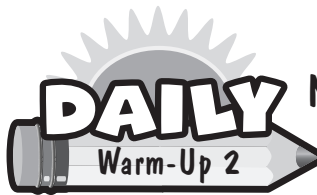
1. The graph shows the number of pets each teacher has in her house. How many pets does Mrs. Robins have?



_____ pets

2. Jennifer bought a package of hair ribbons. There were 3 green hair ribbons, 2 yellow hair ribbons, 4 red hair ribbons, and 1 purple hair ribbon. If she grabs one hair ribbon without looking, what color hair ribbon will she most likely pick? (*Circle the correct letter.*)

- A. green B. yellow C. red D. purple



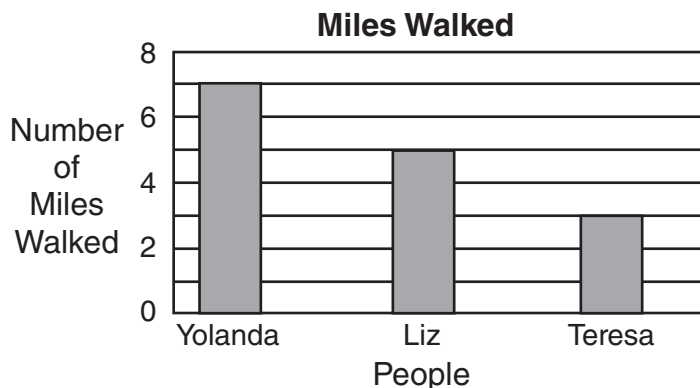
Name _____ Date _____

1. The table shows the number of donuts Mr. Bozalina bought. If Mr. Bozalina takes 1 donut without looking, which type of donut will he most likely get?

Type of Donut	Number of Donuts
glazed	3
cream filled	2
chocolate	6
strawberry swirl	4

- A. glazed
B. strawberry swirl
C. chocolate
D. cream filled

2. List at least two things that this graph indicates?

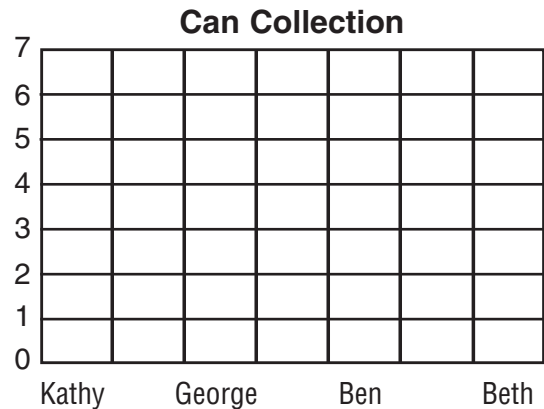




Name _____ Date _____

1. Complete the graph using the information below. Shade one square with your pencil for each tally mark.

Students Who Collected Cans	
Kathy	
George	
Ben	
Beth	



2. Elizabeth has 2 yellow pencils, 3 green pencils, 4 blue pencils, and 1 red pencil in her backpack. If she grabs 1 pencil without looking, what is the probability it will be a green pencil? (Circle the correct letter.)

A. $\frac{1}{10}$

B. $\frac{2}{10}$

C. $\frac{3}{10}$

D. $\frac{4}{10}$



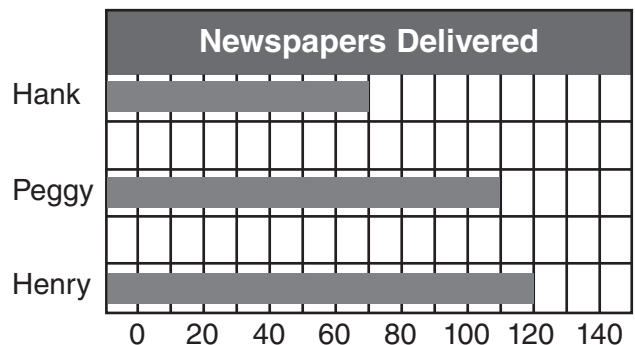
Name _____ Date _____

1. Use the bar graph to answer the questions.

How many newspapers did Hank and Henry deliver?

_____ newspapers

Who delivered the most newspapers?



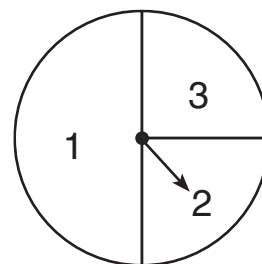
2. Jackie has 100 blocks numbered 1 through 3. If the spinner below shows the proportion of blocks numbered 1 through 3, how many blocks are numbered 1? (Circle the correct letter.)

A. 25

C. 75

B. 50

D. 100





Name _____ Date _____

1. Circle *Possible* or *Not Possible* after each statement below.

You will grow more than an inch this year.

Possible or Not Possible

You will get sick and stay home from school.

Possible or Not Possible

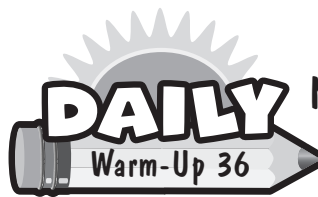
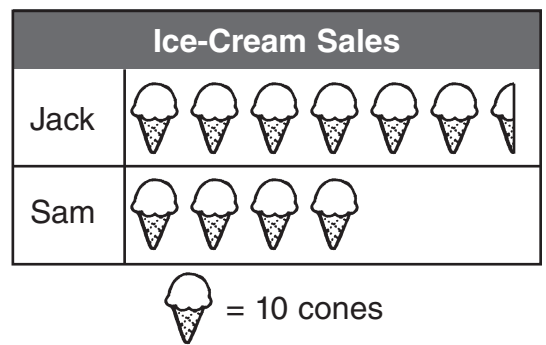
2. Look at the graph.

How many more ice-cream cones did Jack sell than Sam?

_____ more ice-cream cones

How many ice-cream cones did Jack and Sam sell altogether?

_____ ice-cream cones

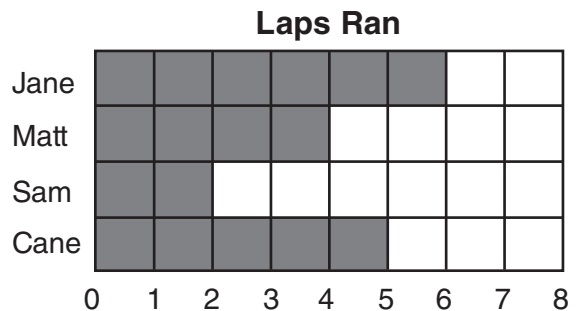


Name _____ Date _____

1. Use the graph to answer the questions.

Who ran fewer laps than Matt?

Who ran more laps than Matt but fewer than Jane?



2. Sue has a bag of buttons. She has 3 gold buttons, 2 yellow buttons, 4 blue buttons, and 1 white button. If she grabs one button without looking, what color button will she most likely pick? (*Circle the correct letter.*)

A. gold

B. yellow

C. blue

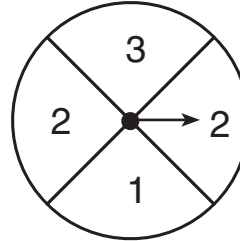
D. white



Name _____ Date _____

1. Travis spins the spinner 1 time. What is the probability of landing on a 2? (Circle the correct letter.)

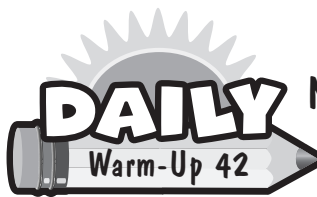
- A. likely
- B. impossible
- C. certain
- D. unlikely



2. Charles has several small basketballs. Each basketball has a number printed on its side. Charles keeps the basketballs in a large box. If he reaches in the box and grabs 1 basketball without looking, what is the probability he will select a basketball with a 2 printed on it? (Circle the correct letter.)



- A. $\frac{7}{7}$
- B. $\frac{1}{7}$
- C. $\frac{3}{7}$
- D. $\frac{4}{7}$



Name _____ Date _____

1. Cassidy has many colored fish in her aquarium. If she reaches in with her net and catches 1 fish without looking, which color fish will she most likely catch?

_____ fish

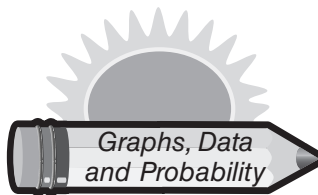
Which color fish will she least likely catch?

_____ fish

Fish in Aquarium	
Green	13
Blue	18
Red	9
Yellow	15
Black	12

2. David has 3 pennies dated 1967, 4 pennies dated 1984, 5 pennies dated 1962, and 1 penny dated 2001 in his pocket. If he grabs 1 penny without looking, what date will the penny most likely be? (Circle the correct letter.)

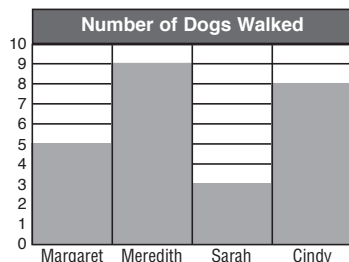
- A. 1967
- B. 1984
- C. 1962
- D. 2001



Answer Key

Warm-Up 32

1.



2. C

Warm-Up 33

- 6:00 A.M.; 16 customers
- A

Warm-Up 34

- 12 computer discs; 4 more computer discs
- D

Warm-Up 35

- Possible; Possible
- 25 more ice-cream cones; 105 ice-cream cones

Warm-Up 36

- Sam; Cane
- C

Warm-Up 37

- B
- C

Warm-Up 38

- 178 apples
- 12 ribbons

Warm-Up 39

- B
- 15 fish

Warm-Up 40

- 10 more cans
- $\frac{1}{4}$

Warm-Up 41

- A
- C

Warm-Up 42

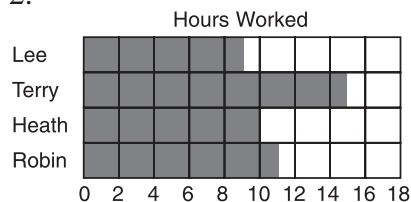
- Blue; Red
- C

Warm-Up 43

- $\frac{3}{8}$
- A

Warm-Up 44

- C
-



Warm-Up 45

- 180 push-ups; 30 more push-ups
- A

Warm-Up 46

- Likely; Likely
- She will most likely pick a black ink pen because there are more black ink pens than green, blue, or red.

Warm-Up 47

- D
- 20 miles; 30 more miles

Warm-Up 48

- 9 more subscriptions; Debbie
- Likely; Unlikely

Warm-Up 49

- A
- B

Warm-Up 50

- Blue; 8 more marbles
- 5

Warm-Up 51

- D
- 27 pages

Warm-Up 52

- Likely; Unlikely
- 70 students; 90 students

Warm-Up 53

- Linda will least likely pick the number 6 cube because there is only one number 6 cube in the bag.
- Courtney and Matthew

Warm-Up 54

- The color blue because $\frac{3}{4}$ of the spinner is blue.
- carrot

Warm-Up 55

- Megatron; 13 students
- C

Warm-Up 56

- Susan will most likely pick a red pair of shoes because she has more red shoes than any other color.
- 10 children; 30 children

Warm-Up 57

- Thursday; Tuesday
- B

Warm-Up 58

- A
- 50 dollars

Warm-Up 59

- B
- D

Warm-Up 60

- Yellow
- C

Warm-Up 61

- B
- D

Warm-Up 62

- C
- 15 miles



Name _____ Date _____

1. Cody arranged some water bottles in the pattern shown to the right. Which operation best shows how he arranged them? (Circle the correct letter.)



- A. $6 - 4$
- B. 6×4
- C. $6 + 4$
- D. $6 + 5$

2. Which number sentence is in the same family as $16 \div 8 = 2$? (Circle the correct letter.)

- A. $16 - 8 = 8$
- B. $16 + 8 = 24$
- C. $16 \times 2 = 32$
- D. $8 \times 2 = 16$



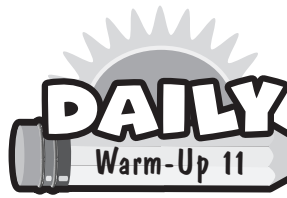
Name _____ Date _____

1. Jennifer bought bananas at the store. The bananas came in bunches of 4. Which pattern shows how Jennifer would count the bunches by 4s? (Circle the correct letter.)

- A. 4, 8, 12, 15
- B. 4, 8, 11, 16
- C. 4, 9, 12, 16
- D. 4, 8, 12, 16

2. Look at the T-chart. Explain how the "IN" and "OUT" numbers are related.

IN	OUT
6	12
7	14
8	16
9	18
10	20



Name _____ Date _____

1. Draw the missing shape in the pattern below.



2. Write the missing number in the box that will make each number sentence true.

A. $6 \times 4 = 3 \times$

D. $4 \times 4 = 2 \times$

G. $3 \times 2 = 2 \times$

B. $5 \times 2 = 1 \times$

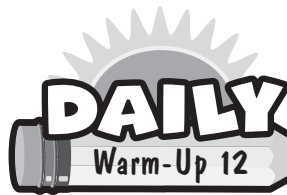
E. $2 \times 6 = 3 \times$

H. $2 \times 7 = 7 \times$

C. $5 \times 1 = 1 \times$

F. $6 \times 3 = 2 \times$

I. $3 \times 3 = 9 \times$



Name _____ Date _____

1. Look at the table below.

In	11	10	9	8	7	6
Out	6	5	4	3	2	1

What is being done to the "In" numbers to get the "Out" numbers? _____

2. On 1 bike, there are 2 tires. On 2 bikes, there are 4 tires, and on 3 bikes there are 6 tires. Fill in the number of tires there are on 10 bikes.

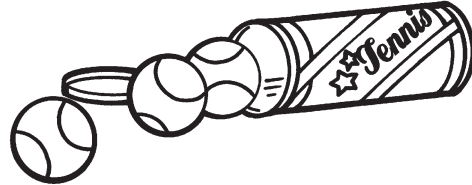
Number of Bikes	1	2	3	4	5	6	7	8	9	10
Number of Tires	2	4	6	8	10	12	14	16	18	



Name _____ Date _____

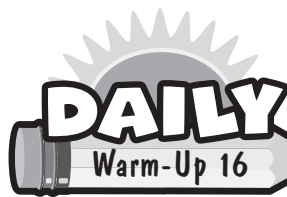
1. Craig went to a sports store to buy tennis balls. The tennis balls came in containers of 3. If you don't know how many containers Craig bought, which answer could be the total number of tennis balls Craig purchased? (Circle the correct letter.)

- A. 4 C. 10
B. 8 D. 12



2. Marshal wrote a pattern of numbers on the board. He asked his friend to find the missing number. Fill in the missing number for Marshal.

18, 24, 30, 36, 42,



Name _____ Date _____

1. Sasha swims laps in her swimming pool each morning. On Monday, she swam 3 laps. On Tuesday, she swam 6 laps, and on Wednesday, she swam 9 laps. If the pattern continues, how many laps will Sasha swim on Friday?

_____ laps

2. If the pattern of numbers continues, what would the "Out" number be if 9 is put in the "In" column? (Write your answer on the line.)

In	0	1	2	3	4	5
Out	3	4	5	6	7	8



Name _____ Date _____

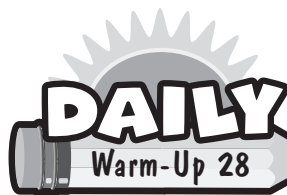
1. The chart shows the number of glasses of water Leroy drank during one week. If the pattern continued, fill in the number of glasses Leroy drank on Saturday.

Number of Glasses Drank	
Sunday	2
Monday	6
Tuesday	9
Wednesday	13
Thursday	16
Friday	20
Saturday	

2. What is the missing number in the pattern?

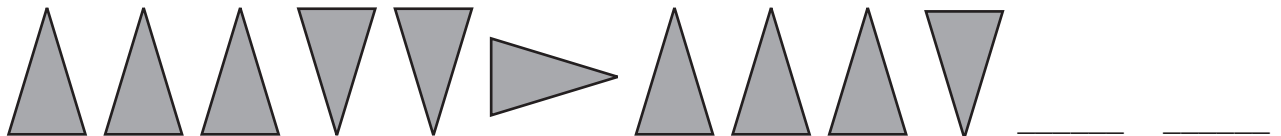
- A. 65
B. 80
C. 90
D. 95

75, 80, 85, _____, 95, 100



Name _____ Date _____

1. Draw the next two figures in the pattern.



2. Write the missing number in the box that will make each number sentence true.

A. $6 \times 2 = 9 + \square$

D. $6 \times 2 = 3 \times \square$

G. $2 \times 5 = 5 + \square$

B. $8 - \square = 2 \times 4$

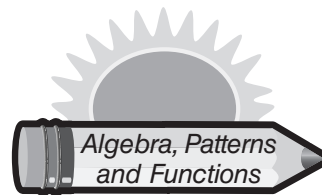
E. $5 \times \square = 2 \times 5$

H. $4 - \square = 2 \times 2$

C. $3 + 2 = 5 \times \square$

F. $7 \times 1 = 3 + \square$

I. $4 \times 3 = 3 \times \square$



Answer Key

Warm-Up 1

1. C 2. 47

Warm-Up 2

1. 10 miles 2. A

Warm-Up 3

1. C 2. 60

Warm-Up 4

1. 30
 2. $2 \times 6 = 12$
 $6 \times 2 = 12$
 $12 \div 2 = 6$
 $12 \div 6 = 2$

Warm-Up 5

1. 12 2. C

Warm-Up 6

1. C
 2. 43; From left to right, the pattern is decreasing by 9.

Warm-Up 7

1. A 2. C

Warm-Up 8

1. B
 2. Each "In" number is multiplied by 4 to produce the "Out" number.

Warm-Up 9

1. B 2. D

Warm-Up 10

1. D
 2. Each "In" number is multiplied by 2 to produce the "Out" number.

Warm-Up 11

1. ♥
 2. A. 8 D. 8 G. 3
 B. 10 E. 4 H. 2
 C. 5 F. 9 I. 1

Warm-Up 12

1. 5 is being subtracted
 2. 20

Warm-Up 13

1. A. 9 D. 8 G. 18
 B. 8 E. 7 H. 1
 C. 2 F. 1 I. 4

2. ♥♥□♥♥□♥♥□

Warm-Up 14

1. 7, 8 2. 8 miles

Warm-Up 15

1. D 2. 48

Warm-Up 16

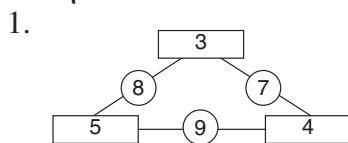
1. 15 laps 2. 12

Warm-Up 17



2. A. 2 D. 4 G. 2
 B. 1 E. 4 H. 1
 C. 1 F. 1 I. 6

Warm-Up 18



2. 16, 20; Rule: Multiply the "In" number by 4 to get the "Out" number.

Warm-Up 19

1. C 2. B

Warm-Up 20

1. $y = 0$
 2. The "In" number is being multiplied by 2 to get the "Out" number.

Warm-Up 21

1. A. Multiply the "In" number by 3 to get the "Out" number.
 B. Add 3 to the "In" number to get the "Out" number.

2. A. 4 D. 6 G. 3
 B. 1 E. 7 H. 3
 C. 10 F. 4 I. 2

Warm-Up 22

1. C
 2. A. Multiply the "In" number by 5 to get the "Out" number.
 B. Add 1 to the "In" number to get the "Out" number.

Warm-Up 23

1. 41 2. C

Warm-Up 24

1. 16 2. B

Warm-Up 25

1. 12, 15, **(18)** 2. D

Warm-Up 26

1. B
 2. A. 8 D. 5
 B. 10 E. 7
 C. 2 F. 7

Warm-Up 27

1. 23 2. C

Warm-Up 28

- 1.
2. A. 3 D. 4 G. 5
 B. 0 E. 2 H. 0
 C. 1 F. 4 I. 4

Warm-Up 29

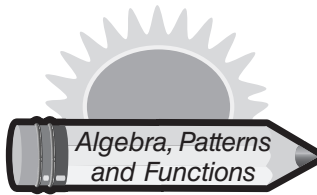
1. 12 2. A

Warm-Up 30

1. D
 2. Add 3 to each "In" number to get the "Out" number.

Warm-Up 31

1. A 2. 12



Answer Key

Warm-Up 32

- 30 markers
- $2 \times 7 = 14$
 $7 \times 2 = 14$
 $14 \div 2 = 7$
 $14 \div 7 = 2$

Warm-Up 33

- Subtract 3 from the "In" number to get the "Out" number.
- 11 and 17

Warm-Up 34

- D
- 17

Warm-Up 35

- 3
- A. 2 D. 0 G. 8
B. 2 E. 7 H. 2
C. 2 F. 4 I. 0

Warm-Up 36

- C
- $4 \times 9 = 36$
 $36 \div 4 = 9$
 $36 \div 9 = 4$

Warm-Up 37

- D
- 56

Warm-Up 38

- A. 7 D. 15 G. 4
B. 9 E. 3 H. 10
C. 6 F. 6 I. 4
- B

Warm-Up 39

- $\square \square \circ \triangle \square \square \circ \triangle$
- 15, 18; Rule: Multiply the "In" number by 3 to get the "Out" number.

Warm-Up 40

- 27
- A

Warm-Up 41

- $2 \times 4 = 8$
 $4 \times 2 = 8$
 $8 \div 4 = 2$
 $8 \div 2 = 4$

- A. 7 D. 2 G. 9
B. 2 E. 4 H. 3
C. 3 F. 4 I. 4

Warm-Up 42

- C
- A

Warm-Up 43

- 40 beads
- $3 \times 5 = 15$
 $5 \times 3 = 15$
 $15 \div 3 = 5$
 $15 \div 5 = 3$

Warm-Up 44

- C
- C

Warm-Up 45

- D
- 58

Warm-Up 46

- 10 laps
- A

Warm-Up 47

- $40 \div 5 = 8$
 $40 \div 8 = 5$
 $5 \times 8 = 40$
 $8 \times 5 = 40$
- D

Warm-Up 48

- | | | |
|---|---|---|
| 4 | 3 | 8 |
| 9 | 5 | 1 |
| 2 | 7 | 6 |

- The "Out" number will be 9.

Warm-Up 49

- A
- C

Warm-Up 50

- A. 12 2. 2,000
B. 0

Warm-Up 51

- C
- A. 10 D. 5 G. 3
B. 12 E. 14 H. 2
C. 5 F. 1 I. 1

Warm-Up 52

- 9 is being subtracted from the "In" number to get the "Out" number.
- 50

Warm-Up 53

- B
- 16

Warm-Up 54

- 20 crayons
- $4 \times 6 = 24$
 $6 \times 4 = 24$
 $24 \div 4 = 6$
 $24 \div 6 = 4$

Warm-Up 55

- 10, 10
- 5 is being subtracted from the "In" number to get the "Out" number.

Warm-Up 56

- B
- 35 cm

Warm-Up 57

- 23
- A. True B. True

Warm-Up 58

- 20 legs
- 

Warm-Up 59

- ♦
- A. 8 D. 6 G. 1
B. 1 E. 4 H. 2
C. 3 F. 7 I. 8

Warm-Up 60

- 5 is being subtracted from the "In" number to get the "Out" number.
- 30

Warm-Up 61

- D
- D

Warm-Up 62

- 20, 12; Subtract 8 from the previous number.
- $7 \times 3 = 21$
 $3 \times 7 = 21$
 $21 \div 7 = 3$
 $21 \div 3 = 7$