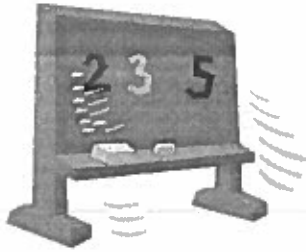


Packet



Summer Math Program
Third Grade
Week 1



Fast Facts

See how many you can do in one minute!

13	58	49	28	56	77	35
<u>+ 17</u>	<u>+ 21</u>	<u>+ 52</u>	<u>+ 56</u>	<u>+ 44</u>	<u>+ 27</u>	<u>+ 35</u>
64	28	57	75	43	80	66
<u>- 47</u>	<u>- 17</u>	<u>- 19</u>	<u>- 58</u>	<u>- 24</u>	<u>- 35</u>	<u>- 38</u>

Number Sense

1. Odd numbers end in _____

a. 1, 3, 5, 7 or 9

b. 0, 2, 4, 6 or 8

c. 0, 1, 2, 3 or 4

Problem Solving

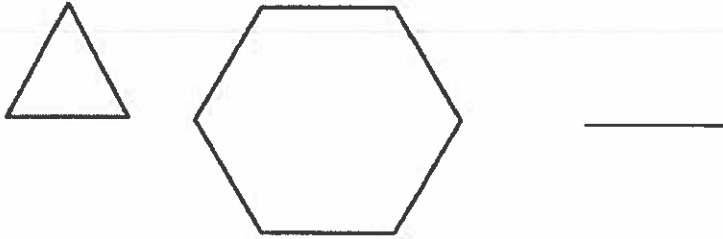
1. A class of 23 students are going on a fieldtrip to the zoo. 5 parents are driving their cars. How many students will go in each car? Explain your answer.

Work Space

Explanation

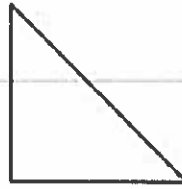
Geometry Time

1. How many triangles would it take to make this hexagon?



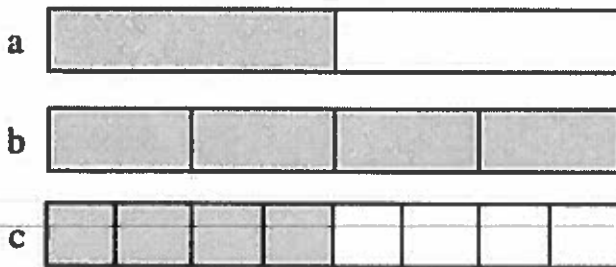
2. How many right triangles would it take to make a square? Answer the question below, and then show your answer by making a drawing.

- A. 2
- B. 3
- C. 4
- D. 6



Fraction Action

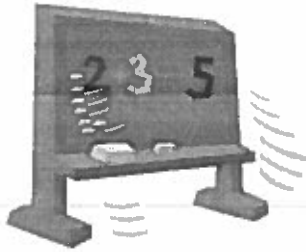
1. Which two of these fractions are equivalent?



- A. a and b
- B. b and c
- C. a and c

2. Place the following fractions where they belong on the number line:





Summer Math Program
Entering Third Grade
Week 2



Fast Facts

See how many you can do in one minute!

48	38	54	38	58	78	52
$+ 17$	$+ 21$	$+ 28$	$+ 30$	$+ 23$	$+ 17$	$+ 52$
63	75	36	47	78	91	48
$- 11$	$- 12$	$- 17$	$- 8$	$- 72$	$- 50$	$- 24$

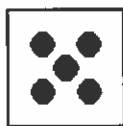
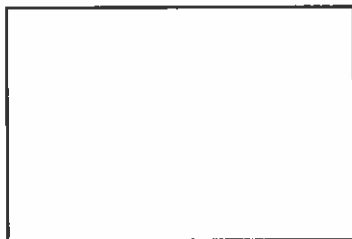
Place Value Practice

Write $<$, $>$, or $=$ on the line to compare the numbers.

1. 100 ___ 74 2. 88 ___ 99 3. 222 ___ 202 4. 98 ___ 111

Area Calculations

1. Tom used crackers to find the area of the rectangle. He laid the crackers on the rectangle. What is the area of the rectangle, in crackers? (You may trace the cracker and make more similar crackers to find the area.)



One cracker

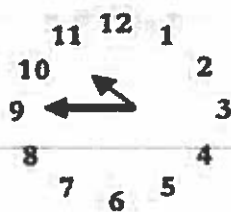
Area = _____ crackers

Problem Solving

1. Tamiko wanted 100 trading cards. She had 55 cards. How many more cards did she need?
- a. 35
 - b. 45
 - c. 155

Time for Time

1. What time is it on this clock?



Fraction Action

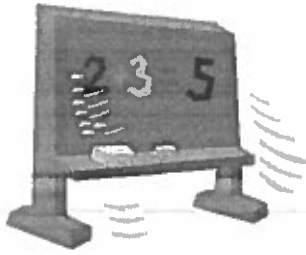
1. Bob wanted to share his candy bar with his friend Mark. He offered Mark the following choices:
- a. You can have $\frac{1}{10}$ of my candy bar.
 - b. You can have $\frac{1}{6}$ of my candy bar.
 - c. You can have $\frac{1}{2}$ of my candy bar.

Mark wants to choose the biggest piece. Tell which fraction Mark should choose and tell why.

Web Links

Try these web sites for additional practice and interactive learning!

- ABC-Ya! Math website for comparing numbers
http://www.abcya.com/comparing_number_values.htm
- Cool Math Math Lines Game
<http://coolmath-games.com/0-math-lines/index.html>



Summer Math Program
Entering Third Grade
Week 3



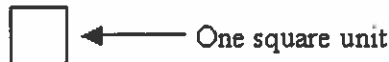
Fast Facts

See how many you can do in one minute!

48	38	54	38	58	78	52
$+ 17$	$+ 21$	$+ 28$	$+ 30$	$+ 23$	$+ 17$	$+ 52$
63	75	36	47	78	91	48
$- 11$	$- 12$	$- 17$	$- 8$	$- 72$	$- 50$	$- 24$

Area Calculations

1. What is the area of the rectangle below? _____

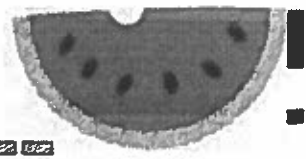


Problem Solving

1. Bill has 25 marbles and his brother Tom has 13 marbles. How many more marbles does Bill have? Draw a picture or use objects to show this.

2. There were 654 geese on a pond when another flock of 135 geese arrived. How many geese were on the pond then? Show your work to solve this problem.

Name: _____



Multiplication Practice

$5 \times 7 =$

$10 \times 2 =$

$4 \times 2 =$

$6 \times 3 =$

$8 \times 4 =$

$9 \times 2 =$

$8 \times 7 =$

$4 \times 7 =$

$1 \times 2 =$

$9 \times 4 =$

$8 \times 5 =$

$10 \times 10 =$

$4 \times 4 =$

$5 \times 9 =$

$8 \times 9 =$

$9 \times 7 =$

$7 \times 7 =$

$3 \times 2 =$

$8 \times 4 =$

$6 \times 5 =$

$10 \times 2 =$

$10 \times 7 =$

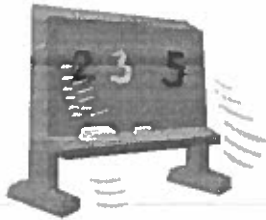
$3 \times 7 =$

$7 \times 3 =$

$9 \times 3 =$

$7 \times 6 =$

$11 \times 2 =$



Summer Math Program
Entering Third Grade
Week 4



Fast Facts

See how many you can do in one minute!

28	73	48	40	55	28	88
<u>+ 25</u>	<u>+ 18</u>	<u>+ 17</u>	<u>+ 29</u>	<u>+ 46</u>	<u>+ 96</u>	<u>+ 47</u>

58	74	65	87	58	88	60
<u>- 33</u>	<u>- 51</u>	<u>- 17</u>	<u>- 38</u>	<u>- 36</u>	<u>- 40</u>	<u>- 24</u>

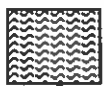
Web Links

Try these web sites for additional practice and interactive learning!

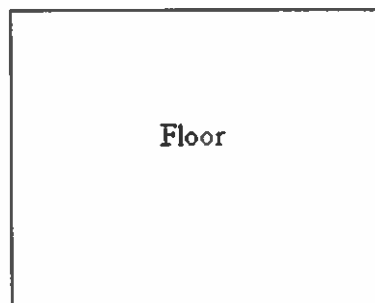
- Jet Ski Addition
http://www.mathplayground.com/ASB_JetSkiAddition.html
- At home activities from EduPlace
http://www.eduplace.com/parents/mw/activities/aah_2.html

Area Calculations

1. How many sheets of paper will be needed to cover the floor area below? (You may trace the sheet of paper and use the tracing to measure.)

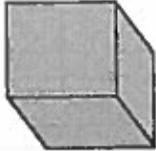
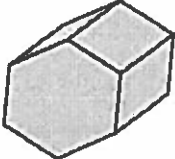
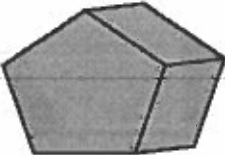


Sheet of
paper



Geometric Shapes

Draw or label each shape and write how many faces, edges, and vertices it has in the table below. Remember: vertices are corners.

Shape	Name	Number of Faces	Number of Edges	Number of Vertices
	Cube	6	12	8
	Rectangular Prism			
	Triangular Prism			
				
				

Write the name of the solid shape in each picture.

1.



rectangular prism

2.

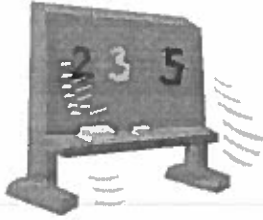


3.



4.





Summer Math Program
Entering Third Grade
Week 5



Fast Facts

See how many you can do in one minute!

13	58	49	28	56	77	35
<u>+ 17</u>	<u>+ 21</u>	<u>+ 52</u>	<u>+ 56</u>	<u>+ 44</u>	<u>+ 27</u>	<u>+ 35</u>

64	28	57	75	43	80	66
<u>- 47</u>	<u>- 17</u>	<u>- 19</u>	<u>- 58</u>	<u>- 24</u>	<u>- 35</u>	<u>- 38</u>

Web Links

Try these web sites for additional practice and interactive learning!

- Grand Prix Multiplication
http://www.mathplayground.com/ASB_GrandPrixMultiplication.html
- Extra practice for place value and money
http://www.eduplace.com/kids/mw/practice/3/ep3_01.html

Knowing Numbers

Write $>$, $<$, or $=$.

1. $52 \bigcirc 23$



2. $81 \bigcirc 96$



3. $23 \bigcirc 32$

4. $32 \bigcirc 12$

5. $50 \bigcirc 70$

6. $48 \bigcirc 27$

7. $138 \bigcirc 192$

8. $217 \bigcirc 184$

9. $129 \bigcirc 93$

10. $645 \bigcirc 645$

11. $705 \bigcirc 792$

12. $586 \bigcirc 986$

Making 100

Show the missing value to make 100.

1. $100 = 99 + \underline{\quad}$

2. $100 = 92 + \underline{\quad}$

3. $100 = 50 + \underline{\quad}$

4. $100 = 25 + \underline{\quad}$

5. $100 = 44 + \underline{\quad}$

6. $100 = 20 + \underline{\quad}$

7. Which is a correct addition pair for 100?

a. $45 + 55$

b. $30 + 60$

c. $64 + 46$

8. Which is NOT a correct addition pair for 100?

a. $98 + 2$

b. $87 + 23$

c. $66 + 34$

9. Tamiko wanted 100 trading cards. She had 55 cards. Write a number sentence that Tamiko could use to help her figure out how many more cards she needs.

Missing Numbers

Find the missing number that makes each number sentence true.

1. $43 + \underline{\quad} = 65$

2. $54 + \underline{\quad} = 76$

3. $67 + \underline{\quad} = 89$

4. $35 + \underline{\quad} = 98$

Name:

Rounding Numbers to the nearest Hundred

590 _____

326 _____

446 _____

290 _____

233 _____

377 _____

199 _____

677 _____

818 _____

409 _____

899 _____

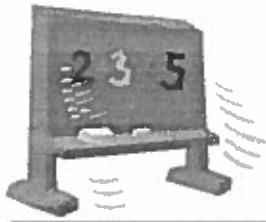
564 _____

327 _____

352 _____

249 _____

856 _____



Summer Math Program
Entering Third Grade
Week 6



Fast Facts

See how many you can do in one minute!

$\begin{array}{r} 63 \\ + 28 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ + 37 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ + 25 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ + 28 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ + 17 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ + 29 \\ \hline \end{array}$
$\begin{array}{r} 43 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ - 18 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ - 53 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ - 18 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ - 36 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ - 30 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 56 \\ \hline \end{array}$

Problem Solving

Solve. Show your thinking by explaining or drawing a picture.

1. Glen has 3 packs of baseball trading cards with 10 cards in each pack. He has 4 packs of football trading cards with 10 cards in each pack. How many trading cards does he have in all?

_____ trading cards

2. There are 10 pencils in each box. Mr. Lewis buys 2 boxes of colored pencils and 6 boxes of plain pencils. How many pencils does Mr. Lewis buy in all?

_____ pencils

3. The school lunchroom has 97 peanut butter and jelly sandwiches ready. All but 5 of the sandwiches are eaten. How many sandwiches are eaten?

_____ sandwiches

4. Mary saved \$5.60 in a week. The next week she saved \$1.20. How much money did she save altogether?

\$_____

5. The Wildcats scored 63 points in the game. But they only scored 27 points in the first half. How many points did the Wildcats score in the second half?

_____ points

6. There were 63 pumpkins in a pumpkin patch. Wanda picked 19 of the pumpkins. How many of the pumpkins were left in the patch?

_____ pumpkins

Web Links

Try these web sites for additional practice and interactive learning!

- Making Change
http://www.mathplayground.com/making_change.html
- Extra practice for numbers, operations, multiplication, and division
http://www.eduplace.com/kids/mw/practice/2/ep2_08.html

Excellent Estimation

Estimate the sums by rounding the numbers to the nearest hundred first and then adding them together. Don't forget to show your work!

Estimate the Sum

$$\begin{array}{r} 210 \rightarrow 200 \\ +378 \rightarrow +400 \\ \hline 600 \end{array}$$

$$\begin{array}{r} 128 \rightarrow \\ +413 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 684 \rightarrow \\ +245 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 321 \rightarrow \\ +518 \rightarrow + \\ \hline \end{array}$$

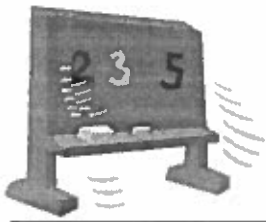
$$\begin{array}{r} 467 \rightarrow \\ +376 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 850 \rightarrow \\ +105 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 941 \rightarrow \\ +223 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 754 \rightarrow \\ +285 \rightarrow + \\ \hline \end{array}$$





Summer Math Program
Entering Third Grade
Week 7



Fast Facts

See how many you can do in one minute!

48	38	54	38	58	78	52
$+ 17$	$+ 21$	$+ 28$	$+ 30$	$+ 23$	$+ 17$	$+ 52$
63	75	36	47	78	91	48
$- 11$	$- 12$	$- 17$	$- 8$	$- 72$	$- 50$	$- 24$

All About Area

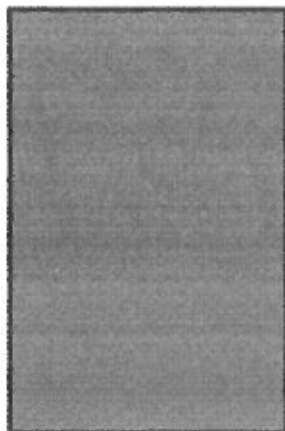
Answer the following questions about area.

1. Sara used a triangular chip shaped like the one below to find the area of this rectangle. How many triangles will fit into the rectangle? (You may trace the triangle and use the tracing to measure.)



_____ triangles

2. Mr. James wants to put a new tile floor in the entryway of his store. How many tiles will be needed to fill his entryway?



Entryway



Tile

_____ tiles

GEOMETRY

1. Joe draws a shape that has 4 sides and 4 angles. What shape did he draw?

_____ Draw the shape below.

2. What shape is this?



3. How many sides and angles does a triangle have? Draw one below.

_____ sides _____ angles

4. What is the name of the shape that is created when these two triangles are put together along their long edges?



5. Which of the following would have a curved surface?

- a. Cardboard box
- b. Soup can
- c. Stop sign

6. Which shape has a curved surface?



STORY PROBLEMS

1. Mindy has a collection of 342 shells. Ned gives her 39 shells. How many shells does she have in all?



2. A package has 362 red lettuce seeds. Another package has 419 green lettuce seeds. How many seeds are in both packages?



3. A box can hold 340 crayons or 125 markers. How many more crayons than markers can the box hold?



4. Ms. Lee's class collects 562 cans of food. Mr. Ramsey's class collects 247 cans. How many more cans does Ms. Lee's class collect than Mr. Ramsey's class?



Web Links

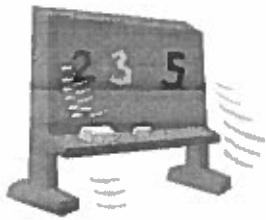
Try these web sites for additional practice and interactive learning!

- Math Fact Practice!

<http://www.playkidsgames.com/games/mathfact/mathFact.htm>

- e-learning For Kids

<http://www.e-learningforkids.org/courses.html#math>



Summer Math Program
Entering Third Grade
Week 8



Fast Facts

See how many you can do in one minute!

$\begin{array}{r} 34 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 35 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ + 49 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ + 43 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 48 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 67 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 10 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ + 85 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 50 \\ - 17 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ - 31 \\ \hline \end{array}$
---	---	---	---	---	---	---

Measurement

Answer the following questions about measurement.

Super Shoes, a shoe store in town, was getting a new display case for the front window. Each of the shoes to be displayed was measured. Answer the following questions using the data below.



Kicker
17 cm

Soccer Star
24 cm

Golf Gem
30 cm

Hi-Bop
22 cm

1. What is the combined length of the Soccer Star and the Hi-Bop? _____

2. How much longer is the Golf Gem than the Kicker? _____

3. If the display case is 90 cm in length, will all four shoes fit? Explain your thinking. _____

PICTOGRAPHS

1. Use the table to make a pictograph. Draw 1 ○ for every 2 balls.

Balls in Box		
tennis balls 	baseballs 	soccer balls

Balls in Box	
tennis balls	
baseballs	
soccer balls	

Key: Each ○ stands for 2 balls.

Use the information in the pictograph to solve.

2. How many more tennis balls are there than soccer balls?

_____ rubber balls

3. If 2 baseballs get lost, how many ○ will you take away? _____

Web Links

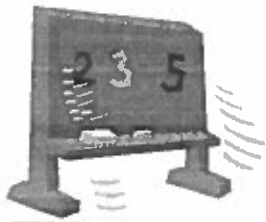
Try these web sites for additional practice and interactive learning!

- Math Live

<http://www.learnalberta.ca/content/me5l/html/math5.html>

- Learn Your Tables

<http://www.learnyourtables.co.uk/>



Summer Math Program
Entering Third Grade
Week 9



Fast Facts

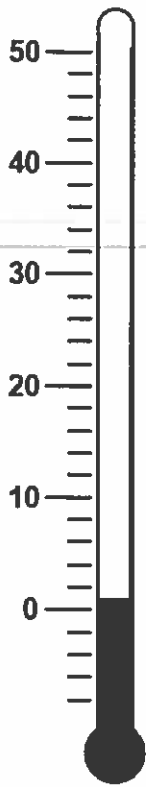
See how many you can do in one minute!

$$\begin{array}{r} 23 \\ - 21 \\ \hline \end{array} \quad \begin{array}{r} 89 \\ - 70 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ - 23 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ - 39 \\ \hline \end{array} \quad \begin{array}{r} 62 \\ - 16 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ - 25 \\ \hline \end{array} \quad \begin{array}{r} 71 \\ - 27 \\ \hline \end{array}$$

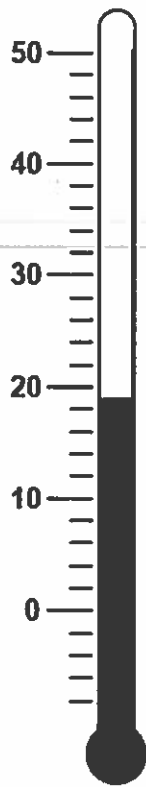
$$\begin{array}{r} 77 \\ + 39 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ + 25 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ + 11 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ + 14 \\ \hline \end{array} \quad \begin{array}{r} 75 \\ - 15 \\ \hline \end{array} \quad \begin{array}{r} 24 \\ - 22 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ - 36 \\ \hline \end{array}$$

Reading a Thermometer

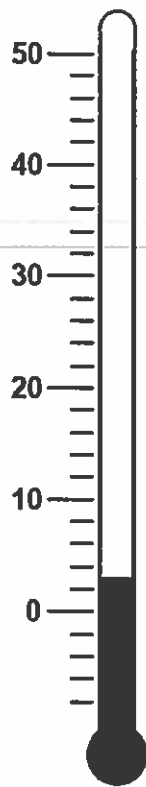
Write the temperature for each thermometer.



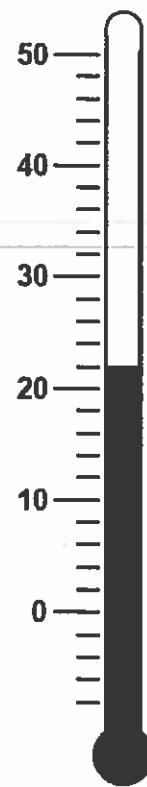
_____ F



_____ F



_____ F



_____ F

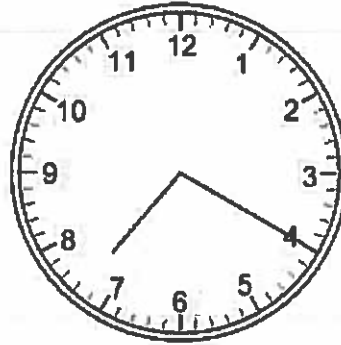


_____ F

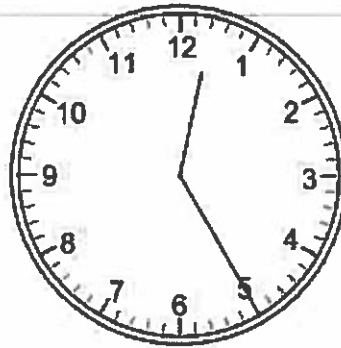
AROUND THE CLOCK

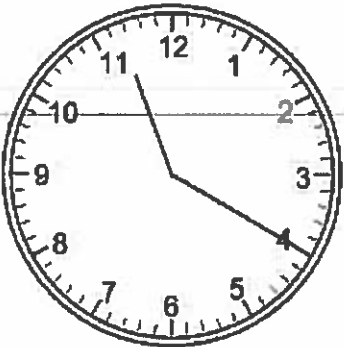
Write the time next to each clock.

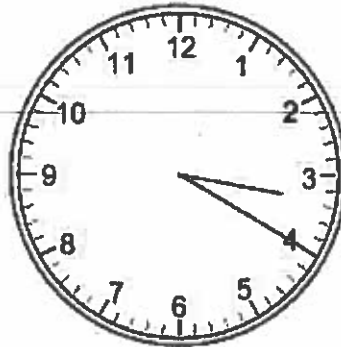












Tell what time it will be in one half-hour from each given time.

1. 12:00 _____

2. 4:30 _____

3. 5:15 _____

4. 8:45 _____

MISSING NUMBERS

Find the value for the symbol or letter in each number sentence.

1. $22 + \text{☺} = 42$ $\text{☺} = \underline{\hspace{2cm}}$

2. $38 - \blacktriangle = 17$ $\blacktriangle = \underline{\hspace{2cm}}$

3. $53 + m = 100$ $m = \underline{\hspace{2cm}}$

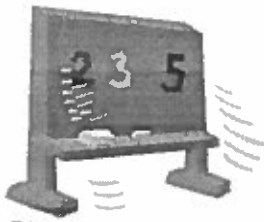
4. $n - 30 = 66$ $n = \underline{\hspace{2cm}}$

5. $72 + h = 90$ $h = \underline{\hspace{2cm}}$

Web Links

Try these web sites for additional practice and interactive learning!

- Bridge Builders
<http://www.mathplayground.com/FractionGame/FractionGame.html>
- Robo Packer
http://www.eduplace.com/kids/mw/swfs/robopacker_grade3.html



Summer Math Program
Entering Third Grade
Week 10



Fast Facts

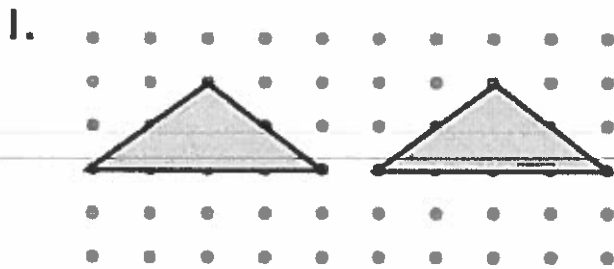
See how many you can do in one minute!

$\begin{array}{r} 72 \\ - 48 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 32 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ + 38 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ - 54 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ + 43 \\ \hline \end{array}$
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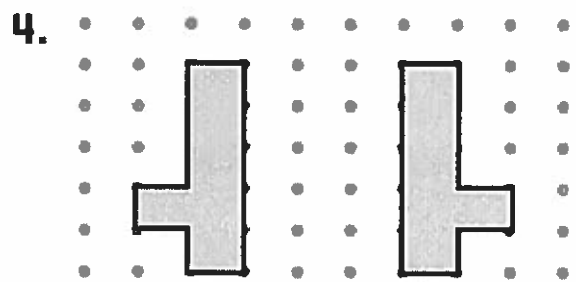
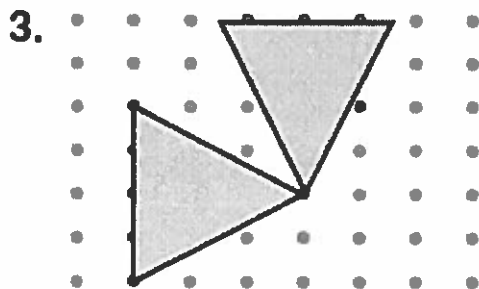
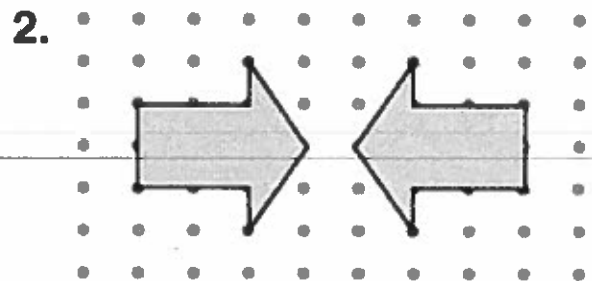
$\begin{array}{r} 61 \\ + 97 \\ \hline \end{array}$	$\begin{array}{r} 95 \\ - 14 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ - 50 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ - 16 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ + 16 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ + 41 \\ \hline \end{array}$
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Geometry

On the line below each diagram write "slide", "flip", or "turn" to tell how each shape has been translated or moved.

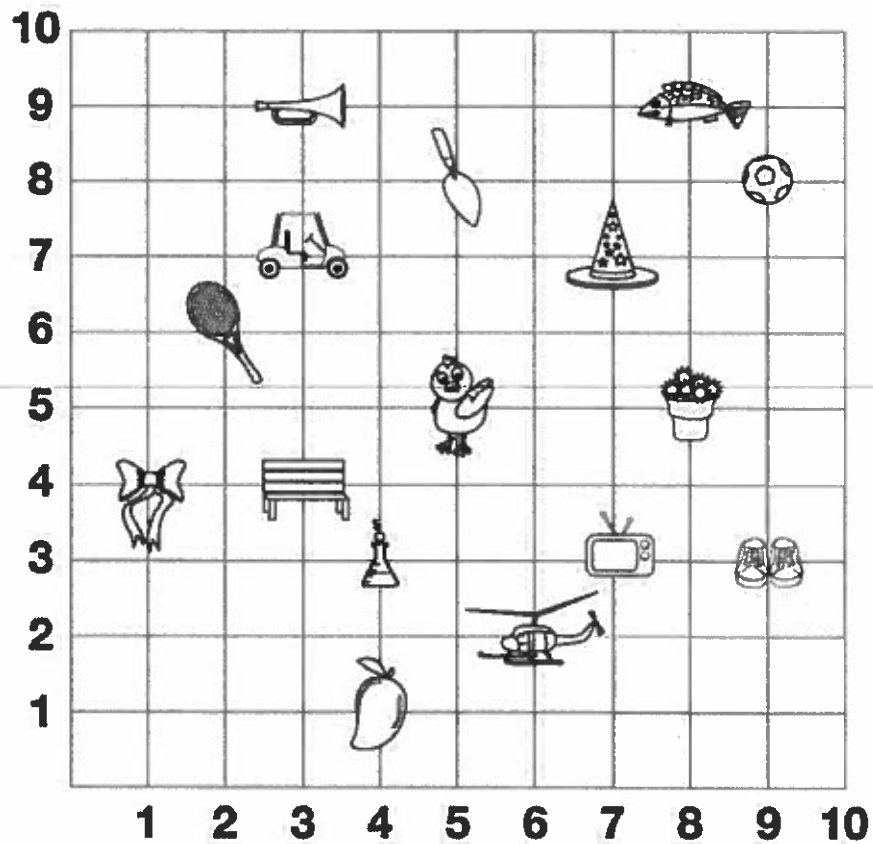


slide



COORDINATE GRIDS

Ordered Pairs



Write the ordered pair for each of the objects listed.

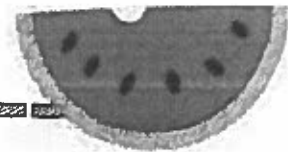
example: television - (7,3)

- a. helicopter - _____ b. shoes - _____ c. pepper - _____
d. wizard's hat - _____ e. fish - _____ f. golf cart - _____

Tell which object is located at each point.

- e. (3,4) - _____ f. (2,6) - _____ g. (1,4) - _____
h. (5,5) - _____ i. (9,8) - _____ j. (3,9) - _____

Name: _____



Multiplication Practice

$5 \times 3 =$

$10 \times 2 =$

$5 \times 6 =$

$10 \times 3 =$

$11 \times 4 =$

$10 \times 4 =$

$11 \times 7 =$

$6 \times 7 =$

$5 \times 2 =$

$8 \times 5 =$

$3 \times 5 =$

$4 \times 2 =$

$10 \times 4 =$

$10 \times 9 =$

$5 \times 2 =$

$9 \times 7 =$

$7 \times 7 =$

$3 \times 9 =$

$4 \times 4 =$

$6 \times 5 =$

$10 \times 2 =$

$9 \times 7 =$

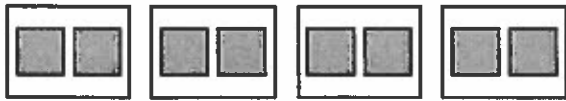
$5 \times 7 =$

$7 \times 2 =$

Understanding Multiplication

For each set, fill in the addition and multiplication answers to relate multiplication to repeated addition.

1. 4 groups of 2



$$2 + 2 + 2 + 2 = \underline{8}$$

$$4 \times 2 = \underline{8}$$

2. 2 groups of 2



$$2 + 2 = \underline{\quad}$$

$$2 \times 2 = \underline{\quad}$$

3. 3 groups of 5



$$5 + 5 + 5 = \underline{\quad}$$

$$3 \times 5 = \underline{\quad}$$

4. 4 groups of 5



$$5 + 5 + 5 + 5 = \underline{\quad}$$

$$4 \times 5 = \underline{\quad}$$

Draw a picture and write a multiplication sentence for each repeated addition sentence.

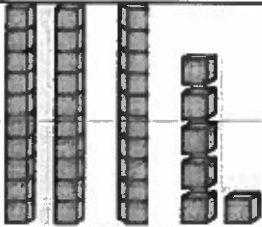
1. $3 + 3 + 3 = \underline{\quad}$

2. $4 + 4 = \underline{\quad}$



Name:

Writing Numbers in 4 Ways

Standard Form	Words	Expanded Form	Picture
36	Thirty-six	$30+6=$	
43			
18			
29			
49			
81			