

# Summer Solutions.







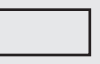




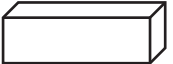
Minutes a Day—Mastery for a Lifetime!

## Standards-Based Mathematics 1

### Help Pages

# Help Pages

## Vocabulary

Math Terms							
<p><b>Addition</b> → When you combine numbers, you add. The sign “+” means add. The answer to an addition problem is called the <i>sum</i>.  <b>Example:</b> When you combine 5 and 2, the sum is 7; <math>5 + 2 = 7</math>.</p>							
<p><b>Subtraction</b> → When you take one number away from another, you subtract. The sign “-” means subtract. The answer to a subtraction problem is called the <i>difference</i>.  <b>Example:</b> When you take 1 away from 5, the difference is 4; <math>5 - 1 = 4</math>.</p>							
Geometry — Equal Shares							
Half of this circle is shaded. 1 of 2 equal shares is shaded.							
A fourth, or a quarter, of this circle is shaded. 1 of 4 equal shares is shaded.							
Geometry — Two-dimensional Shapes (Flat)							
Number of Sides	Name	Number of Sides	Name	Number of Sides	Name	Number of Sides	Name
3	 Triangle	4	 Square	4	 Rectangle	6	 Hexagon
Geometry — Three-dimensional Shapes (Solid)							
Cone — 				Sphere — 			
Cube — 				Rectangular Prism — 			
Measurement — Relationships							
Time							
30 minutes = 1 half-hour				60 minutes = 1 hour			
7 days = 1 week							

# Help Pages

## Place Value

### Whole Numbers

8	5
Tens	Ones

The number above is read: eighty-five.

A **fact family** is a set of related facts using addition, subtraction, and the same three numbers.

**Example:** Write a fact family using 3, 4, and 7.

$3 + 4 = 7$	$7 - 3 = 4$
$4 + 3 = 7$	$7 - 4 = 3$

## Solved Examples

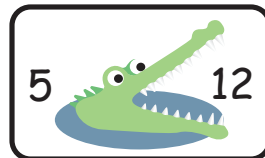
### Greater Than and Less Than

Numbers can be compared by saying one is **greater than** another or one is **less than** another.

The symbol ">" means *greater than*. The symbol "<" means *less than*. Think of the wide part of the sign as an alligator's mouth eating the bigger number. (Hint: The open part of the sign is near the bigger number.)

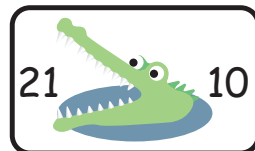
Examples:

5 is less than 12



$5 < 12$

21 is greater than 10



$21 > 10$

# Help Pages

## Solved Examples

### Whole Numbers (continued)

It is very important that you learn your **addition facts**. This table will help you, but only until you memorize them!

Choose a number in the top gray box and add it to a number in the left gray box. Follow both with your fingers (one down and one across) until they meet. The number in that box is the sum.

An example is shown for you:

$$3 + 4 = 7$$

+	0	1	2	3	4	5	6	7	8	9
0	0	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9	10
2	2	3	4	5	6	7	8	9	10	11
3	3	4	5	6	7	8	9	10	11	12
4	4	5	6	7	8	9	10	11	12	13
5	5	6	7	8	9	10	11	12	13	14
6	6	7	8	9	10	11	12	13	14	15
7	7	8	9	10	11	12	13	14	15	16
8	8	9	10	11	12	13	14	15	16	17
9	9	10	11	12	13	14	15	16	17	18

# Help Pages

## Solved Examples

### Whole Numbers (continued)

Here is a hundreds chart.

Place your finger on 32. Subtract 10. Ten less than 32 is 22.

Notice which direction to move your finger when you subtract.

**100 Chart**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	<b>22</b>	23	24	25	26	27	28	29	30
31	<b>32</b>	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
<b>51</b>	52	53	54	55	56	57	58	59	60
<b>61</b>	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Place your finger on 51. Add 10. Ten more than 51 is 61.

Notice which direction to move your finger when you add.

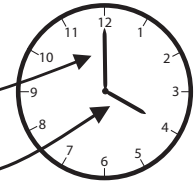
# Help Pages

## Solved Examples

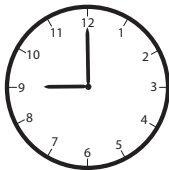
### Time

A clock has two hands. The long hand is the **minute hand**.  
The short hand is the **hour hand**.

On this clock the hour hand is pointing to the 4.  
The minute hand is pointing to the 12.



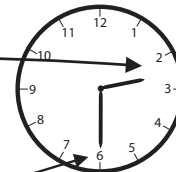
The time is four o'clock or 4:00.



The time is nine o'clock or 9:00.

On this clock the hour hand is past the 2,  
but not yet to the 3.

The minute hand is pointing to the 6.



The time is two thirty or 2:30.



The time is seven thirty or 7:30.

# Help Pages

## Solved Examples

### Money

There are 4 coins shown here.

A penny is worth 1¢.



A nickel is worth 5¢.

A dime is worth 10¢.



A quarter is worth 25¢.