

Stretching Higher with Third Grade Math

Lesson 1

We are going to start third grade math with a review of things you have already learned.

Follow the directions to fill in the missing numbers in each of the charts below.

Count by 1's.

1	2	3		5		7	8		10
11	12		14			17		19	
21		23		25		27			30
31	32			35			38	39	
	42	43	44				48		50
		53	54	55		57		59	
61	62		64			67		69	70
	72			75		77			80
		83		85			88		90
91		93	94			97		99	

Count by 2's.

2			8			14		18	
22		26		30			36		40

Count by 3's.

3	6	9		15		21		27	
33		39	42		48		54		60
	66		72		78	81			90

Count by 4's.

4	8		16			28	32		40
44		52		60		68	72		80
	88	92		100	104		112		
124		132			144	148		156	

Count by 5's.

5			20		30	35	40		
55		65			80		90		

Count by 10s.

10	20			50			80		
110		130		150		170		190	
210	220		240		260		280		300
	320		340			370		390	
410		430		450	460		480		

Count by 100s.

100		300	400		600		800	900	
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Count by 1,000s.

1,000	2,000		4,000		6,000		8,000		10,000
11,000		13,000		15,000		17,000		19,000	
21,000	22,000			25,000			28,000		30,000
	32,000		34,000		36,000		38,000	39,000	
41,000		43,000			46,000	47,000			50,000
		53,000		55,000			58,000	59,000	
61,000	62,000		64,000		66,000		68,000		70,000
		73,000		75,000		77,000		79,000	
	82,000		84,000		86,000			89,000	
		93,000		95,000			98,000	99,000	

Homework—Lesson 1

Follow the directions to fill in the missing numbers in the charts below.

Count by 1's.

29				33			36		
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Count by 2's.

76		80		84			90		
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Count by 3's.

96		102			111			120	
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Count by 4's.

168		176		184		192		200	
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Count by 5's.

125			140			155			170
-----	--	--	-----	--	--	-----	--	--	-----

Count by 10s.

650			680			710		730	
-----	--	--	-----	--	--	-----	--	-----	--

Count by 100s.

1,200	1,300		1,500			1,800		2,000	
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Count by 1,000s.

59,000	60,000		62,000			65,000		67,000	
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Stretching Higher with Third Grade Math

Lesson 2

Today, we will review number words, patterns, and working with a number line.

Write the number for the number words below.

Word	Number	Word	Number	Word	Number
ten		fifty-nine		one hundred fifteen	
nineteen		sixty-seven		two hundred twenty-two	
twenty-four		seventy-one		three hundred sixty-four	
thirty-eight		eighty-five		four hundred thirty-one	
forty-six		ninety-three		nine hundred ninety-nine	

Complete each pattern below.



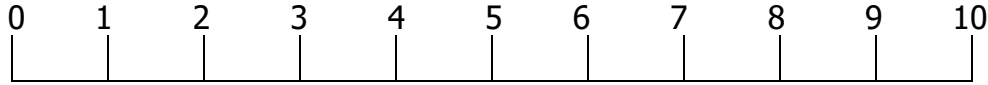


Complete each number pattern below.

1. 1 3 5 7 9 _____
2. 17 21 25 29 33 _____
3. 5 10 15 20 25 _____
4. 60 70 80 90 100 _____
5. 83 86 89 92 95 _____

Working With a Number Line

A number line is a line with marks that show the numbers on it. Look at the number line below.



You can use a number line to do addition.

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

First, go to your number line and find the first number in your problem. In this problem, we'll find the number 1. Now, count over to the right 3 spaces. Where are you on the number line? If you are at number 4, then you have the right answer.

Use the number line to answer the following questions.

1. What is $2 + 6$? $\underline{\quad}$
2. What number comes between 5 and 7? $\underline{\quad}$
3. What numbers on this number line are greater than 4? $\underline{\hspace{2cm}}$

You can also use a number line to do subtraction.

$$4. \quad 6 - 3 = \underline{\quad}$$

First, go to your number line and find the first number in your problem. In this problem, we'll find the number 6. Now count over to the left 3 spaces. Where are you on the number line? If you are at number 3, then you have the right answer.

Use the number line to answer the following questions.

5. What is $9 - 5$? $\underline{\quad}$
6. What number comes between 4 and 2? $\underline{\quad}$
7. What numbers on this number line are less than 5? $\underline{\hspace{2cm}}$

Homework—Lesson 2

Match the number to the correct number word.

- | | | |
|-----|-----|--------------------------|
| 1. | 5 | seventy-eight |
| 2. | 17 | thirty-two |
| 3. | 26 | ninety-four |
| 4. | 32 | five |
| 5. | 49 | eighty-one |
| 6. | 53 | seventeen |
| 7. | 62 | five hundred forty-three |
| 8. | 78 | twenty-six |
| 9. | 81 | sixty-two |
| 10. | 94 | one hundred sixty-nine |
| 11. | 169 | forty-nine |
| 12. | 543 | fifty-three |

Complete each number pattern below.

- | | | | | | | | | |
|----|----|----|----|----|-------|-------|-------|-------|
| 1. | 22 | 24 | 26 | 28 | _____ | _____ | _____ | _____ |
| 2. | 50 | 60 | 70 | 80 | _____ | _____ | _____ | _____ |
| 3. | 35 | 38 | 41 | 44 | _____ | _____ | _____ | _____ |
| 4. | 15 | 20 | 25 | 30 | _____ | _____ | _____ | _____ |
| 5. | 64 | 68 | 72 | 76 | _____ | _____ | _____ | _____ |

Working With a Number Line.



Use the number line above to answer the following questions.

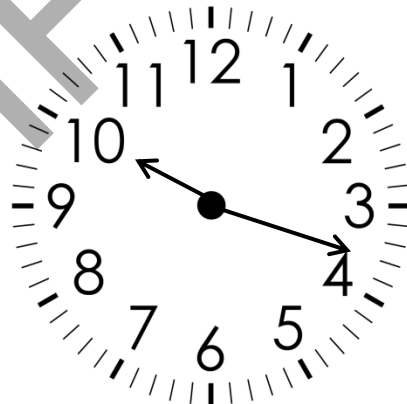
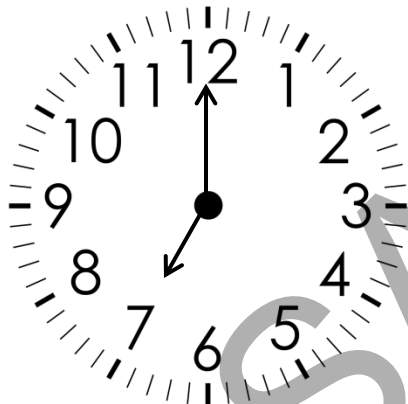
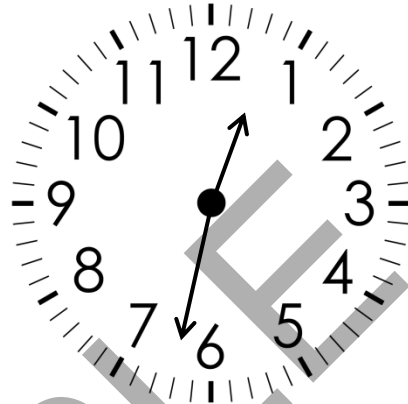
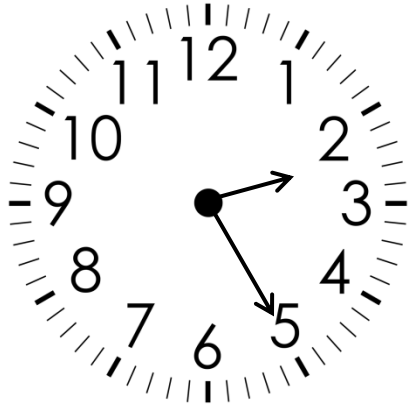
1. What is $3 + 7$? _____
2. What is $6 - 2$? _____
3. What number comes between 8 and 10? _____



Stretching Higher with Third Grade Math
Lesson 3

Today, we will review telling time and measurement.

Tell what time it is on each clock to the nearest minute.



When you go to bed at night is it a.m. or p.m.? _____

When you eat your breakfast in the morning, is it a.m. or p.m.? _____

Measurement: Underline the correct choice.

1. To measure the water in your pet's water dish, you would use a cup/gallon jug.
2. To tell the distance from the kitchen to the porch steps, you would use feet/miles.
3. To tell someone how much you weigh you would use pounds/tons.

4. To measure how many potatoes to buy, you would weigh them in pounds/ounces.
5. To measure how big this piece of paper is, you would use inches/feet.
6. To measure how big your backyard is, you would use inches/yards.
7. To measure how long your pencil is, you would use meters/centimeters.
8. To measure how much orange juice is in a bottle, you would use meters/liters.
9. If the temperature outside was 80°F, would you wear a winter coat? Yes/No
10. If the temperature outside was 0°C, would you wear a winter coat? Yes/No

Get a ruler and measure the following pictures. Write the measurements on the line.


 _____ inches

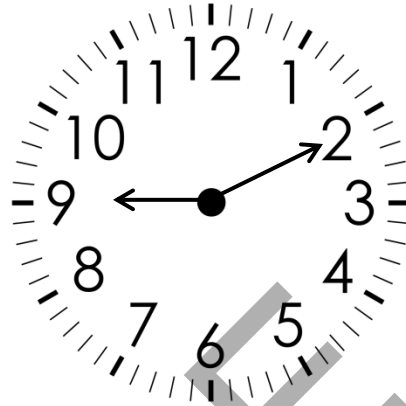
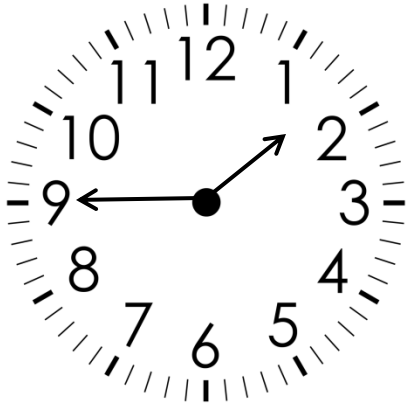

 _____ inches


 _____ centimeters


 _____ centimeters

Homework—Lesson 3

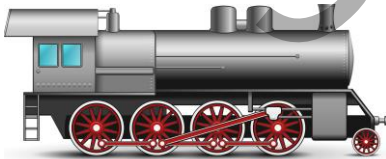
Tell what time it is on each clock to the nearest minute.



Measurement: Underline the correct choice.

1. To measure how wide the bookcase is in your room, you would use feet/yards.
2. To tell the distance from your room to the kitchen, you would use feet/miles.
3. To weigh strawberries you are going to buy, you would use ounces/tons.
4. To measure how long or tall your house is, you would use meters/centimeters.
5. If the temperature outside was 20°F, would you dress for summer? Yes/No

Get a ruler and measure the following pictures. Write the measurements on the line.



→ _____ inches ←



_____ centimeters

Stretching Higher with Third Grade Math

Lesson 4

Today, we will review the symbols for greater than, less than, and equal to.

Remember, the open side of the sign $>$ is always on the side of the bigger number. Think of it as an alligator's mouth—it is always open where he can get the most to eat (bigger number). The pointed side of the sign $<$ is always on the side of the smaller number.

For example, $6 > 3$ means 6 is greater than 3. $4 < 7$ means 4 is less than 7. In each problem, the open side of the sign is on the side of the larger number and the "pointed" side of the sign points to the smaller number.

(8 is the larger number) $8 > 5$ (5 is the smaller number)
 (open side of the sign) (pointed side of the sign)

Also remember that two things are equal if they are exactly the same. For example, $2=2$, but 2 also equals $1+1$.

Insert the correct sign ($>$, $<$, or $=$) in each of the number sentences below:

3 1	7 4	9 10
2 5	6 6	5 7
8 2	5 9	7 2
8 8	10 8	4 2
3 9	1 2	10 10
7 7	9 4	6 8
4 7	1 1	2 8
1 0	6 4	4 10
7 10	3 4	8 9
2 1	0 5	1 9
5 3	2 2	0 0

Fill in the words that finish the sentences correctly.

When you are working with the greater than and less than signs, remember, the open side of the sign is always on the side of the _____ number and the pointed side of the sign is always on the side of the _____ number. Two things are _____ if they are exactly the same.

More Practice: Fill in the correct sign (>, <, or =).

2	$1 + 0$	6	10	3	$1 + 2$
5	$3 + 2$	8	3	16	$18 - 9$
18	$16 - 4$	15	18	9	$4 + 5$
0	$5 + 6$	5	9	13	$4 + 4$
10	$5 + 5$	7	7	10	$2 + 9$
8	$7 + 3$	12	9	4	$6 - 2$
1	$0 + 3$	13	15	17	$10 + 8$
6	$2 + 2$	18	20	11	$6 + 6$
15	$8 + 7$	16	12	14	$13 + 5$
12	$7 + 5$	4	0	7	$10 - 3$

Homework—Lesson 4

Write T (true) or F (false) on the line to tell if each number sentence is true or false.

____ **1.** $8 > 6 + 1$

____ **2.** $16 < 8 + 8$

____ **3.** $12 = 6 + 7$

____ **4.** $4 > 6 - 1$

____ **5.** $9 > 14 - 3$

____ **6.** $5 < 7 - 1$

____ **7.** $6 < 4 + 3$

____ **8.** $11 = 5 + 5$

____ **9.** $17 < 5 + 12$

____ **10.** $9 < 6$

____ **11.** $7 > 4$

____ **12.** $2 = 2$

____ **13.** $15 > 13$

____ **14.** $3 < 7$

____ **15.** $10 = 4 + 6$



Stretching Higher with Third Grade Math
Lesson 5
Quiz

Today we will have a quiz on the material we have reviewed this week.

Follow the directions to fill in the missing numbers in each of the charts below.

Count by 2's.

52			58		62			68	
	74			80			86		

Count by 3's.

15			24			33			42
		51			60			69	

Count by 4's.

28			40			52			64
		76			88			100	

Count by 5's.

105		115		125		135		145	
	160		170		180				200

Count by 10s.

210			240			270			300
		330			360			390	

Count by 100s.

100			400			700			1,000
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Write the number for the word numbers below.

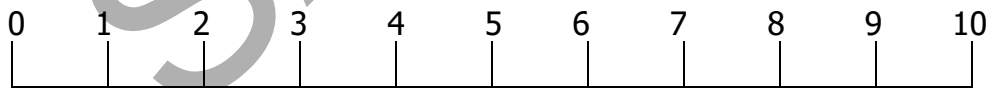
Word	Number	Word	Number	Word	Number
eleven		sixty-three		one hundred sixty	
twenty-nine		seventy-six		seven hundred twenty	
thirty-one		eighty-four		five hundred eighty-three	
forty-two		ninety-five		eight hundred fifty-five	
fifty-seven		eight		nine hundred ninety-nine	

Complete each number pattern below.

7 9 11 13 15 _____

19 23 27 31 35 _____

Use the number line to answer the questions below.



What is $3 + 2$? _____

What number comes between 8 and 10? _____

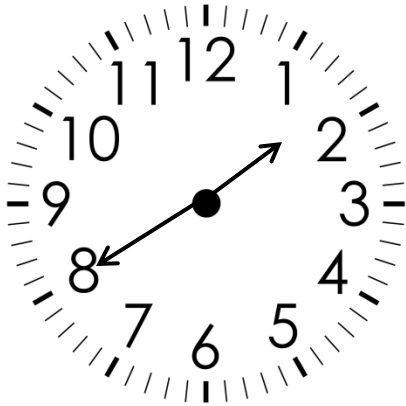
What numbers on this number line are greater than 7? _____

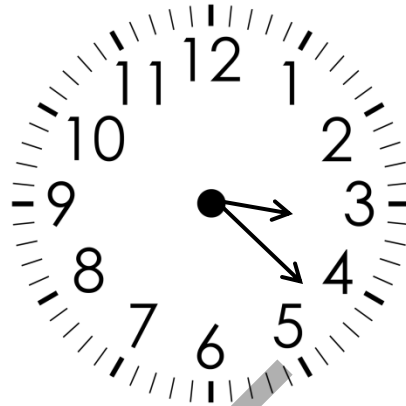
What is $7 - 3 =$ _____

What number comes between 2 and 0? _____

What numbers on this number line are less than 4? _____

Tell what time it is on each clock to the nearest minute.





Measurement: Underline the correct choice.

1. To measure how high the top of the table is, you would use feet/miles.
2. To measure how tall your dog is, you would use inches/yards.
3. To measure how long your book is, you would use meters/centimeters.
4. To measure how much milk is in a container, you would use meters/liters.

Insert the correct sign (>, <, or =) in each of the number sentences below:

25 14	6 12	7 4
7 16	7 7	6 6
9 5	9 3	10 15
30 15	40 40	9 17
3 3	1 0	4 3