

Rising Second Grade Summer Math Assignment

Knowing that students can lose some of their math skills and concepts over the summer, we have a math portion of our *Perimeter School Summer Assignments*, which students will be expected to complete and turn in when they return to school in the fall.

- 1. Students should complete the attached printed math sheets. These will also be available on the school website along with other grade level information and other summer assignments.
- 2. Parents, please review the completed work with your child. Answer keys are provided. (You may complete this process as many times as you like.)
- 3. Students should submit **all** completed work stapled to this sheet (with the **student's name** and a **parent's signature**) on **the first day of school Monday, August 14**.

ASSIGNED MATH:

- Practice Facts to 20
- Use Mental Math to Find 10 Less or 10 More
- Add or Subtract Tens
- Comparing Numbers I Spy Symbols
- Word Problems Favorite Books
- Develop Fluency in Subtraction
- Choose a Strategy to Subtract
- Word Problems Name That Sign
- Word Problems -How Many Now?
- Fill It In Counting Chart
- Adding With Some Regrouping

OPTIONAL MATH ACTIVITIES:

- Counting: play board games, dominoes, and dice games.
- Addition and Subtraction Flash Cards: buy or print a set with sums to 20.
- Number Equation: use objects and index cards marked +, -, =, <, > to build/write equations.
- Construct Graphs: use a tally chart to collect data and make a bar graph to record the results.
- Measure Up: order objects by relative length, compare weight of objects, tell time.

Student's Name	
Parent's Signature	

Practice Facts to 20

Add or subtract to solve.

15 Tracy picks up 7 cans. Mario picks up 6 cans. How many cans do Tracy and Mario pick up in all?

____ cans

16 There are 16 cars and 8 trucks in the parking lot. How many more cars than trucks are in the parking lot?

__ more cars

Use Mental Math to Find 10 Less and 10 More

Write the numbers to complete each sentence.

Jung colors 66 pictures.

Amy colors 10 more than
Jung. Keri colors 10 more
pictures than Amy. How
many pictures do Amy
and Keri each color?

Amy colors _____ pictures.

Keri colors _____ pictures.

2 Eric packs 43 boxes. Juan packs 10 fewer boxes than Eric. Ben packs 10 more boxes than Eric. How many boxes do Ben and Juan each pack?

Ben packs _____ boxes.

Juan packs _____ boxes.

Write the numbers that are 10 less and 10 more.

Add or Subtract Tens

To find 80 – 20, follow these steps.

Start at 80.

Subtract 2 tens.

$$80 - 20 = 0$$

~ ~	~ ~	~ ~	~~	~ ~	~~	~~	~~	~	~	ſ
41	42	43	44	45	46	47	48	49	50	
51	52	53	54	55	56	57	58	59	60	-
61	62	63	64	65	66	67	68	69	70	•
71	72	73	74	75	76	77	78	79	80	==
abla abla	$\$	$\$	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		$\setminus \setminus \setminus$,

To subtract 10, move up one row in the chart.

Use the hundred chart to add or subtract.

I Spy Symbols

What numbers do you see through the glasses? Compare the numbers. Write >, < or =.

1



2



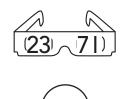
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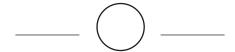


5



6





Favorite Books

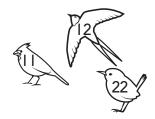
Write an equation to solve. Circle the correct answer.

Cara has many books about bugs, birds, and animals.

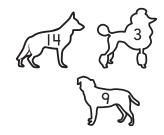
She gives away 7 bug books and has 4 left. How many bug books did she have to start?



2 Cara gets 5 new bird books. Now she has 17 bird books. How many bird books did she have to start?



3 She gives 6 dog books to the library and has 3 left. How many dog books did she have to start?



Cara buys 7 new cat books. Now she has 13 cat books. How many cat books did she have to start?





Develop Fluency in Subtraction

Write a subtraction equation. Solve.

There are 7 cars at a car wash. 4 cars are washed. How many cars are not washed?

____cars

2 Jayden has 9 pieces of paper. He uses 5 pieces. How many pieces of paper does he have now?

____ pieces of paper

Subtract.

Choose a Strategy to Subtract

Use any strategy to subtract.

Write an equation to solve the problem.

9 Thomas has 15 party invitations. He gives out 9. How many are left?

____=__

____ invitations

A store had 13 lemons.
They sell 5. How many lemons do they have now?

____=_

____ lemons

Name That Sign

Write the equation. Solve.

I I birds fly in the sky.
Then 6 of them land on a tree.

How many birds fly now?

Jon has 13 grapes. He eats 7.

How many does he have now?

S A teacher has 12 pens. He gives 5 pens to students. How many does the teacher have now?

A store has 10 stuffed toys. 2 get sold.

How many stuffed toys does the store have now?

There are 14 birds in a tree.

5 birds fly away. How many birds are still in the tree?

What is the name for the subtraction sign?

8 5 9 6 7

How Many Now?

Look at the chart of craft items. How many are there now?

Count on to subtract. Draw to show your work.

- Margo uses 9 pieces of string. There are _____ pieces of string now.
- **Craft Items** 12 pieces of string 9 cotton balls II stickers 10 pieces of paper II foam letters

- 2 Ari uses 7 cotton balls. There are ____ cotton balls now.
- 3 Ellie uses 8 stickers. There are _____ stickers now.
- 4 Josef uses 9 pieces of paper. There is _____ piece of paper now.
- 5 Rochelle uses 9 foam letters. There are _____ foam letters now.

Write the missing numbers in the Counting Chart.

Π	2	3			6	7	8	9	
	12	13	14	15	16			19	20
21	22	23	24		26		28	29	30
		33	34		36	37	38	39	
41	42	43				47	48	49	
51		53	54	55	56	57	58	59	60
61		63	64	65	66	67			
7 I		73	74	75	76	77	78	79	80
81	82	83		85		87		89	90
	92		94		96		98		100
101	102	103	104		106	107	108	109	
				115	116	117	118		

Adding With Some Regrouping (A)

Name:

Date:

Score: /25

Calculate each sum.

$$+ 1 \\ + 1$$

$$+\frac{7}{2}$$

$$+5$$

$$+2$$

$$\frac{2}{+4}$$

$$\frac{8}{+3}$$

$$\frac{4}{+6}$$

$$\frac{2}{+1}$$

Practice Facts to 20

Add or subtract to solve.

$$1 6 + 8 = 14$$
 $2 5 = 9 - 4$

$$3 8 + 2 = 10$$

$$\frac{8}{1} = 4 + 4$$

$$\frac{4}{8} = 4 + 4$$
 $\frac{5}{13} - 4 = \frac{9}{13}$

$$\frac{6}{6} = 15 - 9$$

15 Tracy picks up 7 cans. Mario picks up 6 cans. How many cans do Tracy and Mario pick up in all?

- 16 There are 16 cars and 8 trucks in the parking lot. How many more cars than trucks are in the parking lot?
 - $\frac{8}{2}$ more cars

Use Mental Math to Find 10 Less and 10 More

Write the numbers to complete each sentence.

Jung colors 66 pictures.

Amy colors 10 more than
Jung. Keri colors 10 more
pictures than Amy. How
many pictures do Amy
and Keri each color?

Amy colors <u>76</u> pictures.

Keri colors ______ pictures.

2 Eric packs 43 boxes. Juan packs 10 fewer boxes than Eric. Ben packs 10 more boxes than Eric. How many boxes do Ben and Juan each pack?

Ben packs <u>53</u> boxes.

Juan packs 33 boxes.

Write the numbers that are 10 less and 10 more.

Add or Subtract Tens

To find 80 - 20, follow these steps.

Start at 80.

Subtract 2 tens.

$$80 - 20 = 0$$

ı	~~	~ ~	~~	~~	~ ~	~~	~~	~~	~~	~	
	41	42	43	44	45	46	47	48	49	50	
	51	52	53	54	55	56	57	58	59	60	-
	61	62	63	64	65	66	67	68	69	70	N
	71	72	73	74	75	76	77	78	79	80	==

To subtract 10, move up one row in the chart.

38 | 39

99 100

Use the hundred chart to add or subtract.

Ш

7 I

44 |

$$3 \ 40 + 20 = 60$$

$$470 - 60 = 10$$

$$6 90 - 50 = 40$$

$$80-50=$$

I Spy Symbols

What numbers do you see through the glasses? Compare the numbers. Write >, < or =. Possible answers shown.



24 > 11 or 11 < 24

2



92 > 39 or 39 < 92

3



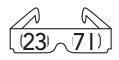
90 > 67 or 67 < 90

4



62 = 62

5



71 > 23 or 23 < 71

6



43 > 12 or 12 < 43

Favorite Books

Write an equation to solve.

Circle the correct answer. Check children's work.

Cara has many books about bugs, birds, and animals.

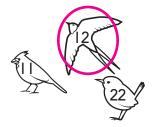
She gives away 7 bug books and has 4 left. How many bug books did she have to start?



$$11 - 7 = 4$$

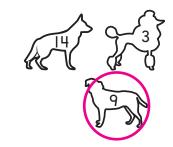
2 Cara gets 5 new bird books. Now she has 17 bird books. How many bird books did she have to start?

$$12 + 5 = 17$$



3 She gives 6 dog books to the library and has 3 left. How many dog books did she have to start?

$$9 - 6 = 3$$



Cara buys 7 new cat books. Now she has 13 cat books. How many cat books did she have to start?

$$6 + 7 = 13$$





Develop Fluency in Subtraction

Write a subtraction equation. Solve.

There are 7 cars at a car wash. 4 cars are washed. How many cars are not washed?

> 7 _ _ 4 _ _ 3 3___cars

2 Jayden has 9 pieces of paper. He uses 5 pieces. How many pieces of paper does he have now?

<u>9</u> _ <u>5</u> = <u>4</u>

 $\frac{4}{}$ pieces of paper

Subtract.

$$9 - 0 = 9$$

$$5 10 - 8 = 2$$

$$6 \ 6 - 3 = 3$$

$$78 - 1 = _{_{_{_{_{_{_{_{_{_{_{1}}}}}}}}}}$$

$$89 - 3 = 6$$

Choose a Strategy to Subtract

Use any strategy to subtract.

$$|3| 16 - 7 = \frac{9}{100}$$

$$4 | 11 - 4 = 7$$

$$5 14 - 8 = 6$$

6
$$12 - 7 = \frac{5}{}$$

$$7 10 - 7 = 3$$

$$|8| |18 - 9 = \frac{9}{100}$$

Write an equation to solve the problem.

9 Thomas has 15 party invitations. He gives out 9. How many are left?

- $\frac{6}{}$ invitations
- 10 A store had 13 lemons. They sell 5. How many lemons do they have now?

8_ lemons

Name That Sign

Write the equation. Solve.

I I birds fly in the sky.
Then 6 of them land on a tree.

5

- How many birds fly now? 11-6=5
- Jon has 13 grapes. He eats 7. How many does he have now? 13-7=6

6

A teacher has 12 pens. He gives 5 pens to students. How many does the teacher have now? 12-5=7

7

A store has 10 stuffed toys. 2 get sold. How many stuffed toys does the store have now?

8

- 15 2 = 13
- N

There are 14 birds in a tree. 5 birds fly away. How many birds are still in the tree? 14-5=9

9

What is the name for the subtraction sign?

M I N U S 7

How Many Now?

Look at the chart of craft items. How many are there now?

Count on to subtract. Draw to show your work. Check children's drawings.

- Margo uses 9 pieces of string. There are ____3 pieces of string now.
- **Craft Items** 12 pieces of string 9 cotton balls II stickers 10 pieces of paper II foam letters

- 2 Ari uses 7 cotton balls. There are <u>2</u> cotton balls now.
- 3 Ellie uses 8 stickers. There are 3 stickers now.
- 4 Josef uses 9 pieces of paper. There is _____ piece of paper now.
- 5 Rochelle uses 9 foam letters. There are ______ foam letters now.

	2	3	4	5	6	7	8	9	10
П	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	#	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
7 I	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
101	102	103	104	105	106	107	108	109	110
Ш	112	113	114	115	116	117	118	119	120

Adding With Some Regrouping (A) Answers

Name:

Date:

Score: /25

Calculate each sum.

$$\frac{8}{+6}$$

$$\frac{4}{+7}$$

$$\frac{1}{+9}$$

$$\frac{1}{+\frac{1}{2}}$$

$$\frac{7}{+7}$$

$$\frac{9}{18}$$

$$\frac{5}{+4}$$

$$\frac{2}{+5}$$

$$\frac{7}{+2}$$

$$\frac{8}{1}$$

$$\frac{1}{6}$$

$$\frac{2}{+9}$$

$$\frac{6}{+2}$$

$$\frac{2}{+4}$$

$$\frac{8}{11}$$

$$\frac{8}{+9}$$

$$\frac{6}{+6}$$

$$\frac{2}{+8}$$

$$\frac{8}{+8}$$

$$\frac{4}{+6}$$

$$\frac{6}{+5}$$

$$\frac{8}{+7}$$

$$\frac{2}{+\frac{1}{3}}$$

$$\frac{9}{+4}$$

$$\frac{5}{+5}$$