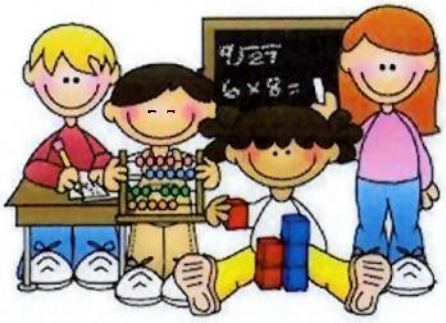
May 2025

Dear Families...

This is a math packet your child is being asked to complete over the summer. It is a review of the concepts taught this year in Second Grade. Please have your child return it to his/her Third Grade teacher during the first week of school, (in the fall). If you have any questions, please feel free to contact us.

Thank you,
Mrs. Montague and Miss Reardon



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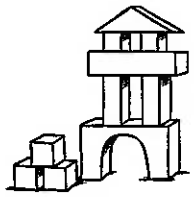
More Facts Than You Need

Sometimes story problems give you more facts than you need to solve the problem. In each problem below, cross out the fact you don't need. Then solve the problem. Show your work.

1 Akiko has 27 marbles. Sara has 53 marbles. Sam has 24 marbles. How many marbles do Sara and Sam have in all?

Sara and Sam have _____ marbles in all.

2 Jenny has 12 toy people. She is building a house for them. She used 12 blocks for the front gate, and 48 blocks for the rest of the house. How many blocks did Jenny use in all?



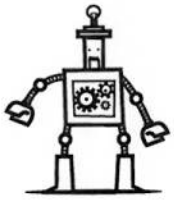
Jenny used _____ blocks in all.

3 Juan had 56 crayons. He gave 23 of his crayons to his friend. Juan also gave his friend 15 marking pens. How many crayons does Juan have left?

Juan has _____ crayons left.

CHALLENGE

4 The Toy Factory made 90 robots on Tuesday. 23 people work at the factory. They sold 54 of the robots on Wednesday. How many robots did they have left?



The Toy Factory had _____ robots left.

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Numbers & Clocks

1 Read each number. Then write it in expanded form.

example	**a**	**b**
one hundred thirty-eight	three hundred forty-two	two hundred seventy-three
138 = 100 + 30 + 8	342 = _____	273 = _____
c	**d**	**e**
two hundred twenty-nine	four hundred sixty-one	six hundred eighteen
229 = _____	461 = _____	618 = _____
f	**g**	**h**
one hundred fifty-seven	nine hundred ninety-nine	eight hundred thirty-five
_____ = _____	_____ = _____	_____ = _____

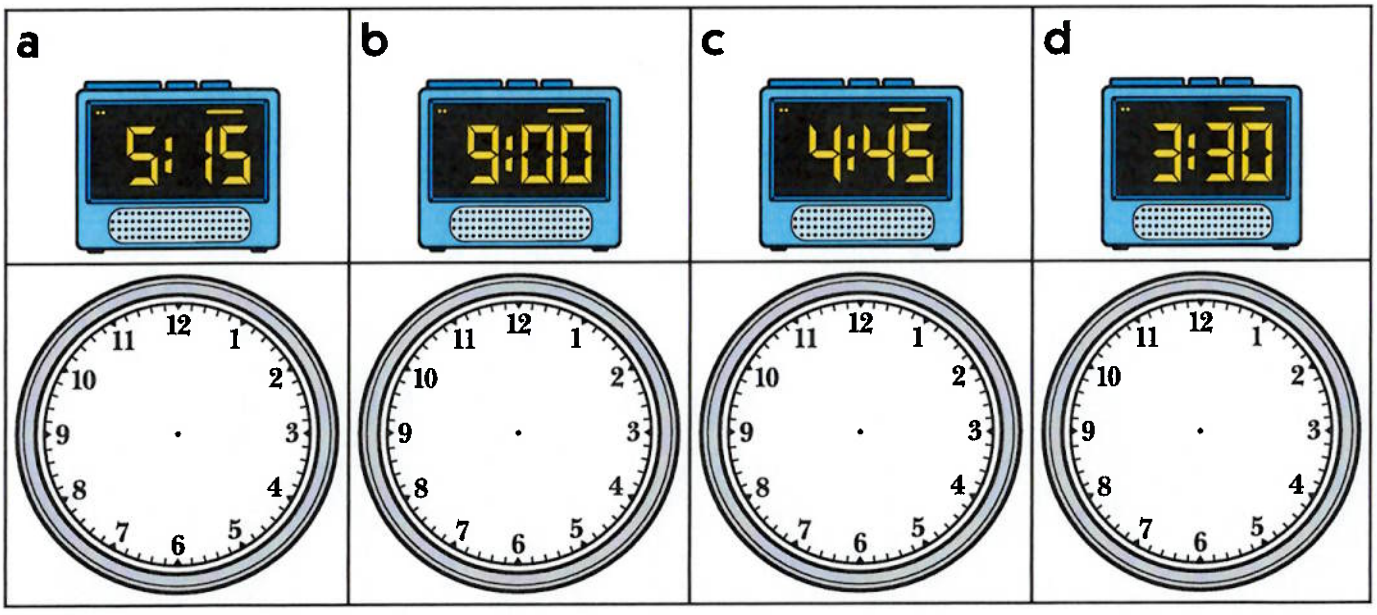
2 Write the numbers in the box in order on the lines from least to greatest.

138	342	273	229	461	618

_____ _____ _____ _____ _____ _____

least greatest

3 Read each of these digital clocks and show the time on the clock face.



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Sam's Hot Dog Stand

1 Sam has a hot dog stand at the mall. The chart below shows how many hot dogs he sold last week. Use the chart to help answer the questions below.

a Which day did Sam sell the most hot dogs?

b Which day did Sam sell the fewest hot dogs?

c How many hot dogs did Sam sell on Tuesday and Wednesday put together? Show your work.

Hot Dogs Sold	
Day	Number of Hot Dogs
Monday	119
Tuesday	125
Wednesday	163
Thursday	108
Friday	234
Saturday	345
Sunday	325

2 Use one of the signs below to compare the number of hot dogs Sam sold on different days.

< less than = the same as > greater than

ex 125 __<__ 345	**a** 325 _____ 108	**b** 108 _____ 119
c 234 _____ 164	**d** 163 _____ 345	**e** 325 _____ 234

3 Put the numbers from the chart (in problem 1) in order from least to greatest on the lines below.

_____, _____, _____, _____, _____, _____, _____

least greatest

CHALLENGE

4 How many hot dogs did Sam sell altogether? Show your work.

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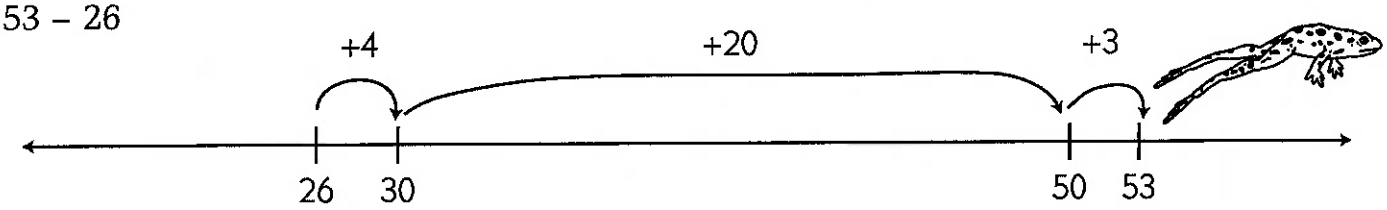
2-Digit Subtraction

DJ Hopper makes hops on the number line to solve 2-digit subtraction problems. Here's how he solved 53 – 26:

- Start at 26.
- Hop up to 30.
- Now hop up to 50.
- Then hop up to 53 and add up all your hops. That tells how far it is from 26 to 53.

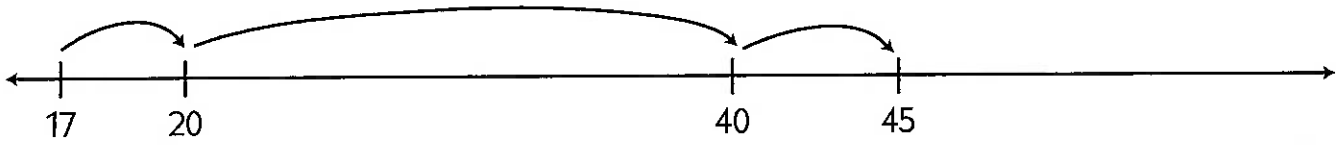
53 – 26



4 + 20 + 3 = 27 so 53 – 26 = 27

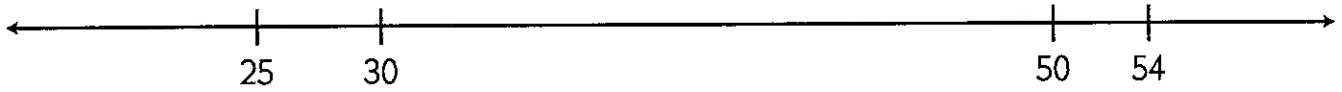
1 Try DJ's number line strategy to solve these subtraction problems.

a 45 – 17



_____ so 45 – 17 = _____

b 54 – 25



_____ so 54 – 25 = _____

c 57 – 18

_____ so 57 – 18 = _____

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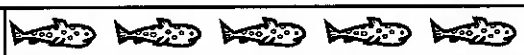
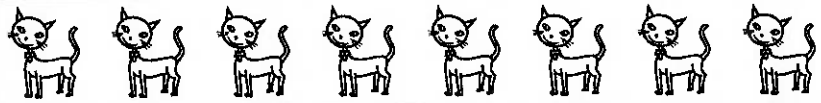
The Pet Graph

1 The second graders in Ms. Nelson's class made a graph with pictures to show their favorite pets. Each student put one picture on the graph to show his or her favorite pet. Use their graph to help answer the questions below.

Our Favorite Pets	
Fish	
Birds	
Cats	
Dogs	

a Which pet did most kids like the best? _____

b How many more kids like dogs than fish the best? _____

c How many fewer kids like birds than cats the best? _____

d Write a number sentence to show how many kids put pictures on this graph.

2 The kids in Ms. Nelson's class did a survey of all the second grades to find out about kids' favorite pets. Use their chart to help answer the questions below.

a How many more kids like fish than birds the best? Show your work.

2nd Grade Favorite Pets	
Pet	Number of Kids
Fish	17
Birds	8
Cats	45
Dogs	62

b How many more kids like dogs than cats the best? Show your work.

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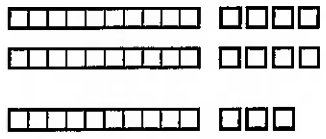
More 2-Digit Addition

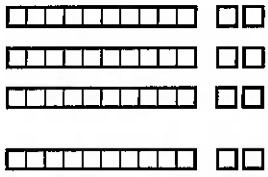
1 Add. Use the pictures of base ten pieces to help.

a



28
+ 13
_____

b

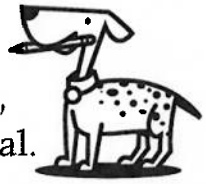


36
+ 12
_____

2 Add the numbers.

70 + 8 = _____ 40 + 7 = _____ 30 + 16 = _____ 20 + 13 = _____

3 Use Pencil Puppy's strategy for adding 2-digit numbers. Remember, she adds the tens first. Then she adds the ones. Then she finds the total.



example

	Tens	Ones
70	5	8
+	2	8
		16

70 + 16 = 86

a

	Tens	Ones
	4	3
+	3	9

_____ + _____ = _____

b

	Tens	Ones
	2	7
+	4	5

_____ + _____ = _____

c

	Tens	Ones
	1	6
+	2	2

_____ + _____ = _____

d

	Tens	Ones
	3	7
+	5	3

_____ + _____ = _____

e

	Tens	Ones
	3	3
+	5	8

_____ + _____ = _____

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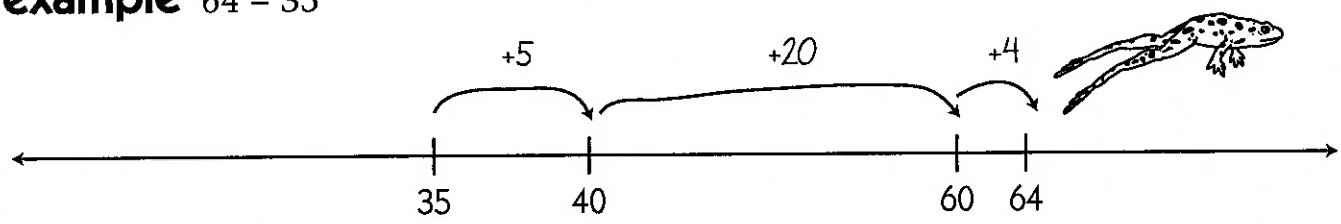
More 2-Digit Subtraction

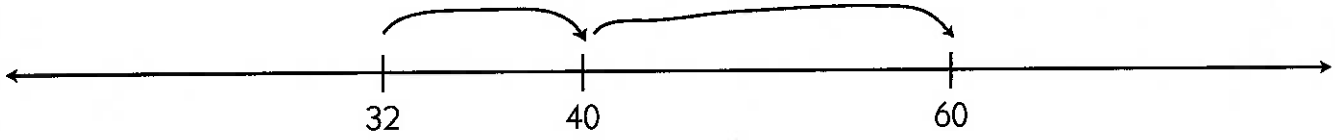
Use DJ's number line strategy to solve these subtraction problems.

example 64 – 35



5 + 20 + 4 = 29 so 64 – 35 = 29

1 60 – 32



_____ so 60 – 32 = _____

2 54 – 27

_____ so 54 – 27 = _____

3 71 – 26

_____ so 71 – 26 = _____

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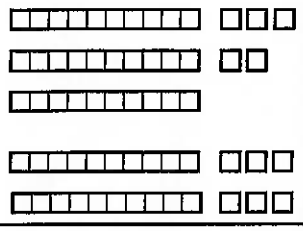
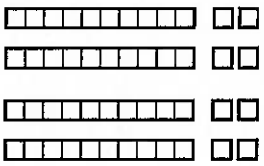
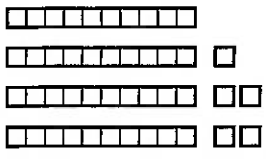
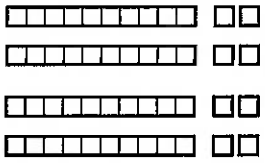
Which Makes the Most Sense?

1 For each problem below, circle the estimate you think is best. On the last two, explain *why* you chose the estimate you did. *Hint: Make your own pictures to help.*

Problem & Picture	Estimate	Problem & Picture	Estimate
a 35 + 26 	50 60 70	**b** 24 + 24 	30 40 50
c 49 + 39	70 80 90	**d** 37 + 24	50 60 70
Why?		Why?	

2 For each problem below, circle the estimate you think is best. On the last two, explain *why* you chose the estimate you did. *Hint: Make your own pictures to help.*

Problem & Picture	Estimate	Problem & Picture	Estimate
a 45 − 29 	15 20 25	**b** 52 − 18 	30 40 50
c 50 − 24	25 30 35	**d** 60 − 29	30 40 50
Why?		Why?	

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Estimation Problems

1 Dora went to the mall yesterday. She got a t-shirt for $9.99 and a new CD for $6.99. *About* how much money did she spend in all? Circle the estimate you think is best.

$15.00 $16.00 $17.00 $20.00

2 Max got $50.00 for his birthday. He bought 2 video games for $14.00 each. *About* how much money does he have left? Circle the estimate you think is best.

$10.00 $20.00 $30.00 $40.00

3 Janel is making a quilt. She needs 100 squares of fabric in all. She cut 29 squares this morning and 39 more squares this afternoon. *About* how many squares does she have left to cut? Circle the estimate you think is best.

10 squares 20 squares 30 squares 40 squares

4 Gerald wants to read 75 books by the end of the year. So far, he has read 18 fantasy books and 21 science books. *About* how many books does he have left to read? Circle the estimate you think is best.

15 books 25 books 35 books 45 books

5 The second graders at King School are recycling cans.

Day	Number of Cans
Monday	57
Tuesday	98
Wednesday	45
Thursday	105

About how many cans have they recycled so far? Circle the estimate you think is best.

200 cans 300 cans 400 cans 1,000 cans

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Adding & Subtracting Practice

1 Add.

9 + 6 =	9 + 9 =	10 + 7 =	9 + 7 =	10 + 6 =	9 + 10 =	9 + 4 =
9 + 3 =	10 + 7 =	11 + 9 =	8 + 9 =	4 + 10 =	9 + 5 =	2 + 9 =
20 + 9 =	40 + 12 =	30 + 8 =	60 + 15 =	30 + 17 =	90 + 8 =	80 + 14 =
20 + 29 =	32 + 20 =	58 + 30 =	62 + 20 =	40 + 39 =	70 + 23 =	75 + 10 =

2 Subtract.

16 − 10 =	16 − 9 =	13 − 10 =	13 − 9 =	18 − 10 =	18 − 9 =	20 − 10 =
50 − 10 =	40 − 20 =	30 − 10 =	60 − 40 =	70 − 30 =	90 − 40 =	80 − 60 =
26 − 10 =	35 − 10 =	78 − 20 =	64 − 30 =	55 − 40 =	38 − 20 =	58 − 20 =

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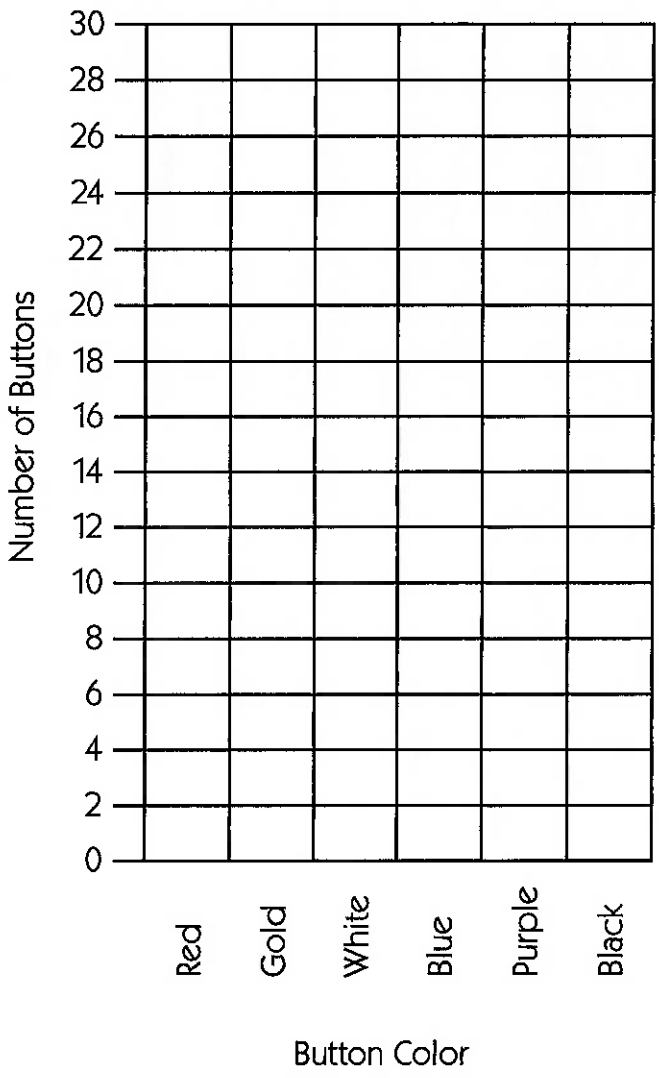
Grandma's Button Box

Dylan's grandma has a box of buttons. One day Dylan sorted the buttons into different groups and counted how many in each group. He made a chart to show his work.

1 Help Dylan make a bar graph to show his work. Give the graph a title and color in the columns to show how many buttons of each color he found.

Kind of Button	How Many
Red	14
Gold	25
White	26
Blue	10
Purple	5
Black	22

Title _____



2 How many buttons were in the box altogether? Show your work.

There were _____ buttons in the box altogether.

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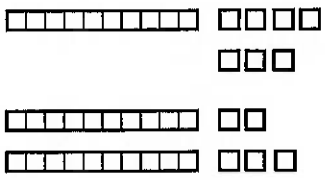
2-Digit Addition Practice

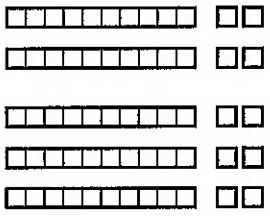
1 Add. Use the pictures of base ten pieces to help.

a



$$\begin{array}{r} 17 \\ +\ 25 \\ \hline \end{array}$$

b



$$\begin{array}{r} 24 \\ +\ 36 \\ \hline \end{array}$$

2 Add the numbers.

21 + 8 = _____ 42 + 7 = _____ 32 + 16 = _____ 24 + 13 = _____

3 Use Pencil Puppy's strategy for adding 2-digit numbers. Remember, she adds the tens first. Then she adds the ones. Then she finds the total.

example

	Tens	Ones	
60	3	7	11
+	3	4	

60 + 11 = 71

a

	Tens	Ones	
	3	5	
+	2	8	

_____ + _____ = _____

b

	Tens	Ones	
	6	3	
+	2	8	

_____ + _____ = _____

c

	Tens	Ones	
	4	4	
+	2	9	

_____ + _____ = _____

d

	Tens	Ones	
	4	5	
+	5	2	

_____ + _____ = _____

e

	Tens	Ones	
	2	8	
+	3	9	

_____ + _____ = _____

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Lines & Buttons

1a Tami is standing in line. There are 3 children in front of her. There are 8 children behind her. How many children are standing in line? Show your work.

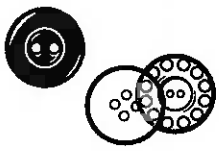
b There are _____ children standing in line.

c Which strategy did you use to solve this problem? (Circle one.)

Draw a picture. Make a chart. Write a number sentence. Other

CHALLENGE

2a Frank's mom gave him 8 buttons. The buttons have 22 holes in all. How many of the 8 buttons have 4 holes? How many of the 8 buttons have 2 holes? Show your work.



b _____ of the 8 buttons have 4 holes. _____ of the 8 buttons have 2 holes.

c Which strategy did you use to solve this problem? (Circle one.)

Draw a picture. Make a chart. Write a number sentence. Other

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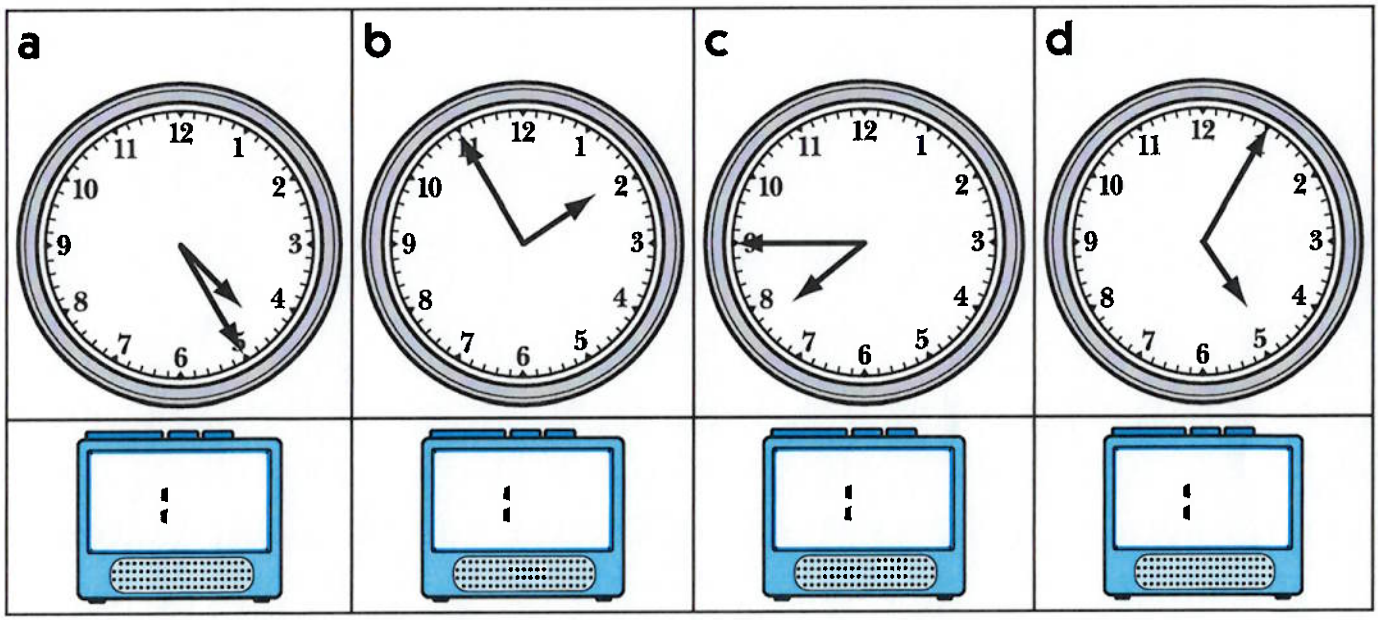
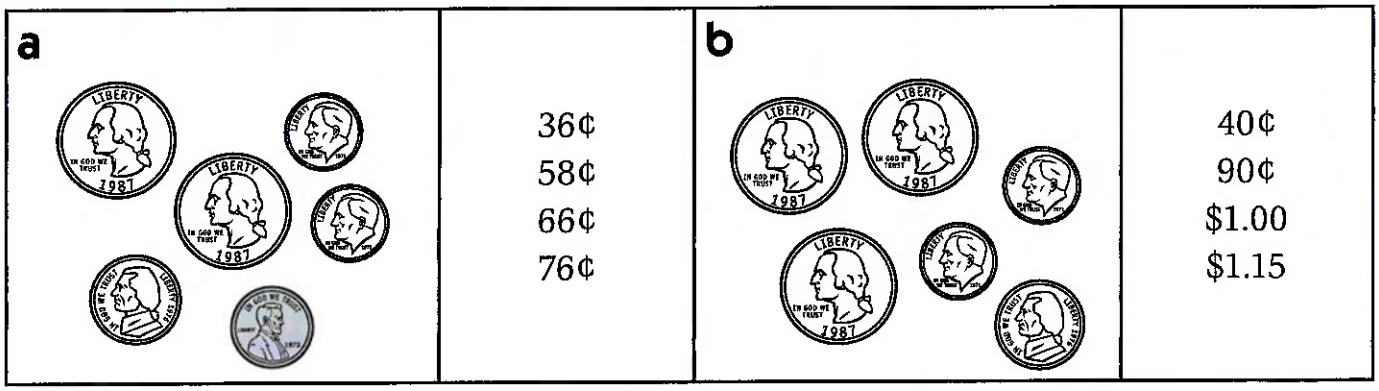
Time & Money

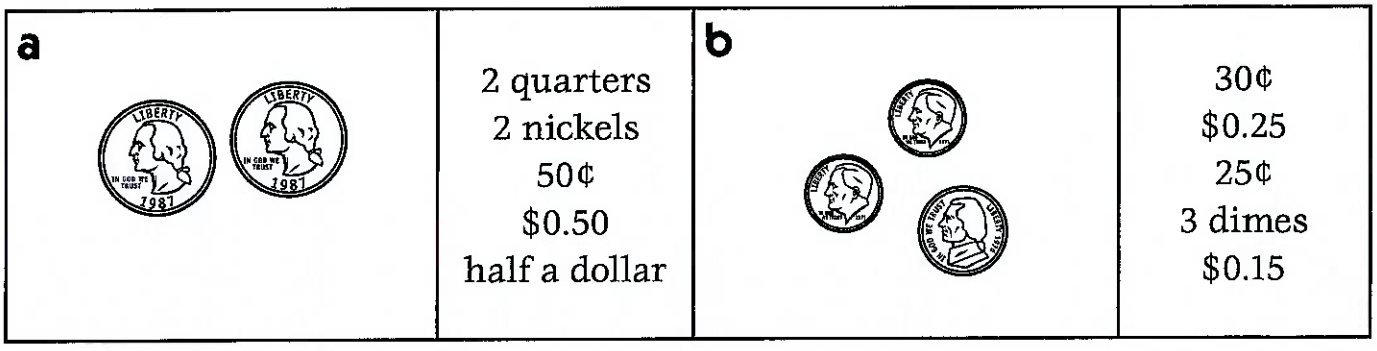
1 Read each of these clock faces and write the time on the digital clock.



2 Count the money in each set and circle the correct amount.



3 Circle *all* the correct values for each set of coins.



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Cubes & Homework

1a Ebony put 10 cubes into two stacks. One stack has 4 more cubes than the other stack. How many cubes are in each stack? Show your work.

b There are _____ cubes in one stack and _____ cubes in the other stack.

c Which strategy did you use to solve this problem? (Circle one.)

Draw a picture. Act it out with cubes. Make a list. Other

CHALLENGE

2a Jose has a bag of marbles. There are 8 red marbles in the bag. There are twice as many green marbles as red marbles. There are 2 fewer blue marbles than green marbles. There are half as many white marbles as blue marbles. How many marbles are in the bag? Show your work.

b There are _____ marbles in the bag.

c Which strategy did you use to solve this problem? (Circle one.)

Draw a picture. Act it out with cubes. Make a list. Other

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More Place Value Practice

1 Count by 10's, either forward or backward, to fill in the missing numbers.

a 10, 20, 30, 40, _____, _____, _____, 80, _____, 100, 110, _____, _____

b 280, 270, 260, _____, _____, 230, _____, _____, 200, _____, _____

c 203, 213, 223, _____, _____, 253, _____, _____, _____, 293, _____

d 567, 557, 547, 537, _____, _____, 507, _____, 487, _____, 467

2 Count by 100's, either forward or backward, to fill in the missing numbers.

a 100, 200, 300, _____, _____, _____, 700, _____, _____

b 950, 850, 750, _____, _____, _____, 350, _____, _____

c 203, 303, 403, _____, _____, _____, 803, _____, 1003

d 914, 814, 714, _____, _____, 414, _____, _____, _____

3 Add the numbers.

400 + 70 + 2 = _____ 600 + 20 + 8 = _____

800 + 50 + 5 = _____ 100 + 10 + 3 = _____

200	300	700	200	400	100	900
50	80	40	60	40	10	90
+ 9	+ 1	+ 2	+ 0	+ 4	+ 7	+ 9
_____	_____	_____	_____	_____	_____	_____

4 Circle the answer in each of the questions below.

a The **3** in **359** is in the	ones place	tens place	hundreds place
b The **4** in **904** is in the	ones place	tens place	hundreds place
c The **5** in **256** is in the	ones place	tens place	hundreds place

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Homework & 100

1 Jamal is doing his math homework. He just got 24 for an answer. What was the question? Write down at least 3 different ideas below.

CHALLENGE

2 Write at least 10 different equations for 120. You can use addition, subtraction, multiplication, or division.

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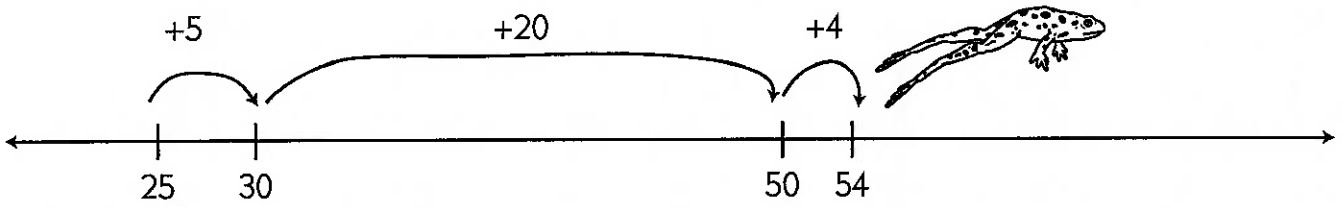
2-Digit Subtraction Practice

DJ likes to make hops on the number line to solve 2-digit subtraction problems, like this:

54 – 25



5 + 20 + 4 = 29 so 54 – 25 = 29

1 Solve each of the subtraction problems below. You can use DJ's number line strategy or some other way to solve the problem. Show your work each time.

a 56 – 29

_____ so 56 – 29 = _____

b 70 – 36

_____ so 70 – 36 = _____

c 63 – 19

_____ so 63 – 19 = _____

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Make Your Own Problems

Fill in the blanks with words that make sense and seem interesting. Solve each problem. Show your work.

Fill in the blanks.	Work Space
1 Kendra has 57 _____ in her top drawer. She has 28 _____ in her bottom drawer. How many are there in all? _____	
2 Lin spent 39 dollars for a _____. He spent 18 dollars for a _____. How much did he spend in all? _____	
3 Akiko had 72 _____. She gave 26 of them to her friend. How many does she have left? _____	
4 Mr. Smith baked 48 _____. The dog got 19 of them. How many are left? _____	
5 Frank saw 51 _____. 24 of them flew away. How many were left? _____	

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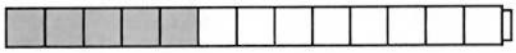
Solving Equations

1 Fill in the missing numbers.

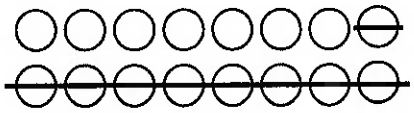
a 15 = _____ + 7

b 5 + _____ = 13



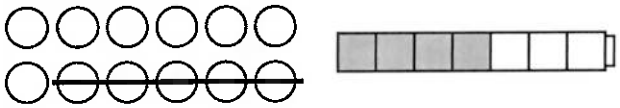
c 14 – _____ = 8

d 16 – _____ = 7

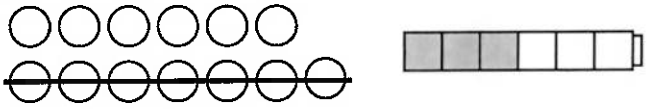


e 9 + 6 = _____ + 8

f 12 – 5 = 4 + _____



g 13 – 7 = 3 + _____



2 Fill in the missing numbers.

40 + 50 = _____	30 + _____ = 60	_____ + 70 = 90
25 + 35 = _____	25 + _____ = 50	_____ + 40 = 85
80 – 40 = _____	70 – _____ = 20	_____ – 30 = 30
95 – 40 = _____	55 – _____ = 35	_____ – 25 = 25

CHALLENGE

3 Fill in the missing numbers.

250 = _____ + 6 90 + 70 = _____ + 17 140 – 60 = 30 + _____

NAME _____ **DATE** _____

Apples & Orange Slices

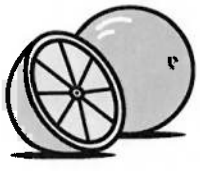
1 There are 4 baskets on the table. Each basket has 12 apples in it. How many apples are there in all? Show your work. Mark the answer clearly.

There are _____ apples.

CHALLENGE

2 There are 4 plates on the table. Each plate has 12 orange slices on it. Each orange slice has 3 seeds. How many seeds in all? Show your work. Mark the answer clearly.

There are _____ seeds.



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The Second Graders Clean Their Desks

On Friday afternoon, Mrs. Nelson asked her second graders to clean their desks. This chart shows the extra things the kids found in their desks.

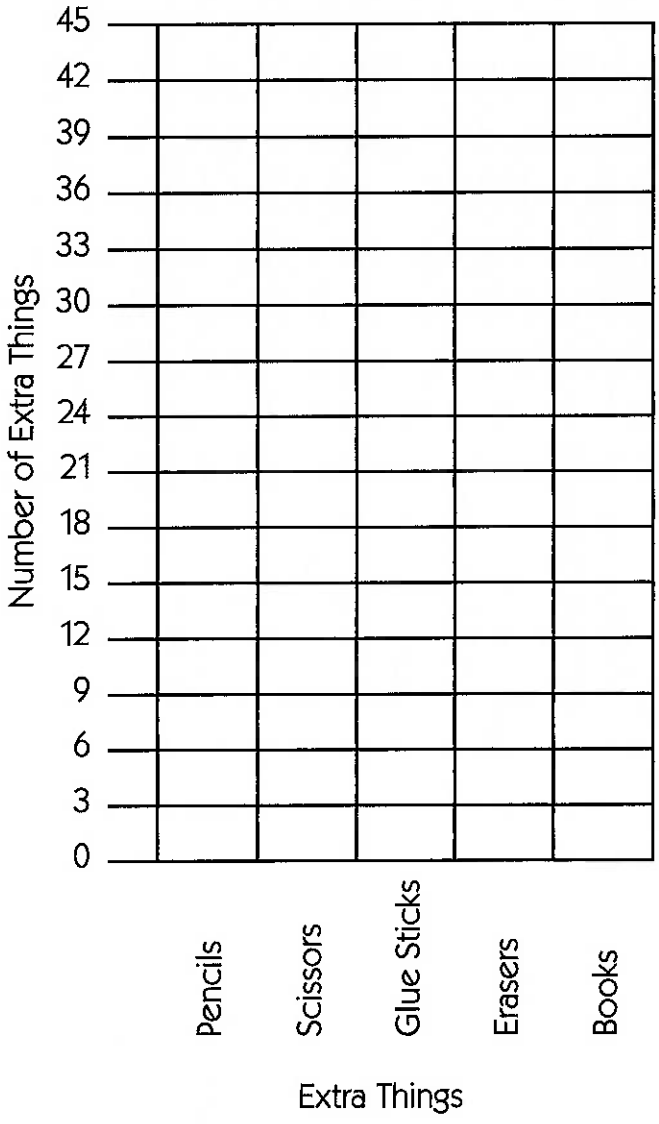
1 Finish the graph on the right. Give it a title. Color in the columns to show what the kids found in their desks.

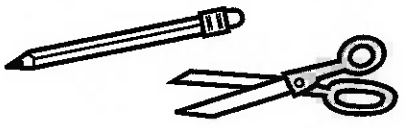
Number	Extra Things
44	Extra pencils
18	Extra pairs of scissors
12	Extra glue sticks
15	Extra erasers
9	Overdue library books

2 How many more pencils than erasers did the kids find? Show your work.

3 How many extra things did they find in all? Show your work.

Title _____





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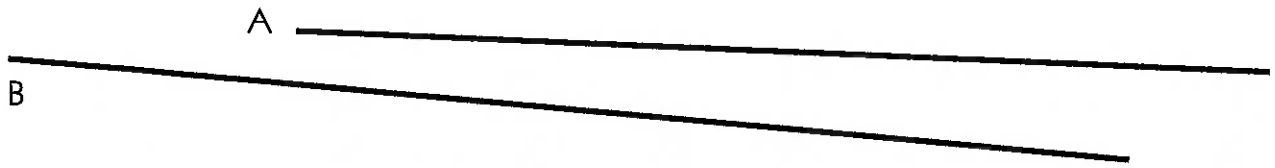
Measuring Problems

1a Here are 2 lines. Put an x on the one you think is shorter.



b Measure each line. Use the centimeter side of your ruler.

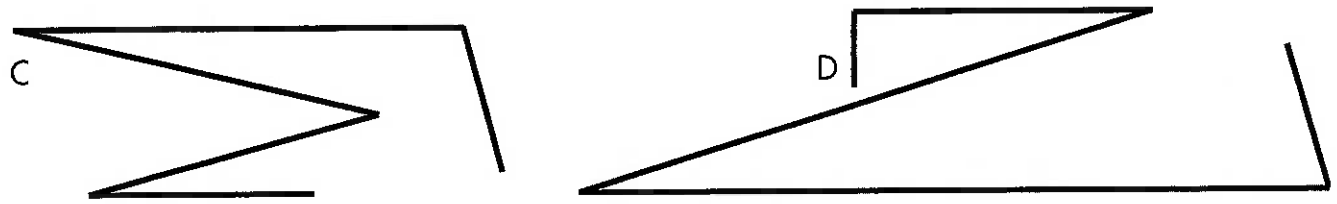
Line A is _____ centimeters long.

Line B is _____ centimeters long.

c Which line is shorter? (Circle one.) Line A Line B

d How much shorter is it? Show your work. Mark the answer clearly.

2a Here are 2 crooked lines. Put an x on the one you think is longer.



b Measure each crooked line. Use the centimeter side of your ruler.

Crooked line C is _____ centimeters long.

Crooked line D is _____ centimeters long.

c Which crooked line is longer? (Circle one.)

Crooked Line C Crooked Line D

d How much longer is it? Show your work. Mark the answer clearly.

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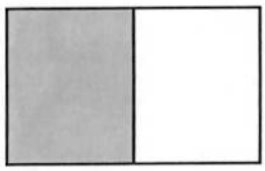
Fractions

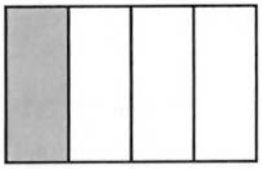
1 What part of each rectangle is colored? Circle the correct fraction.

a



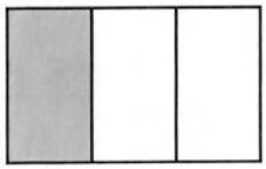
$\frac{1}{3}$ $\frac{2}{2}$ $\frac{1}{2}$ $\frac{3}{4}$

b



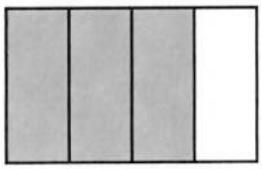
$\frac{1}{4}$ $\frac{2}{4}$ $\frac{1}{3}$ $\frac{3}{6}$

c



$\frac{2}{3}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{3}$

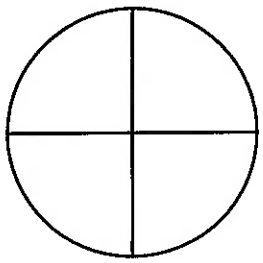
d



$\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{3}$ $\frac{5}{4}$

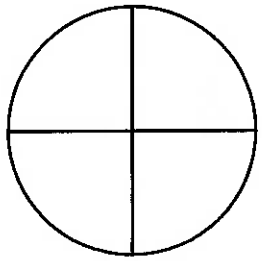
2 Read each fraction and color in that part of the shape.

a



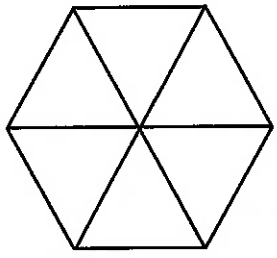
$\frac{2}{4}$

b



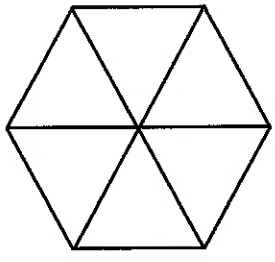
$\frac{3}{4}$

c



$\frac{1}{6}$

d



$\frac{3}{6}$

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The Army Ants Measure Up

Hi! I am a worker army ant. I am one centimeter long.

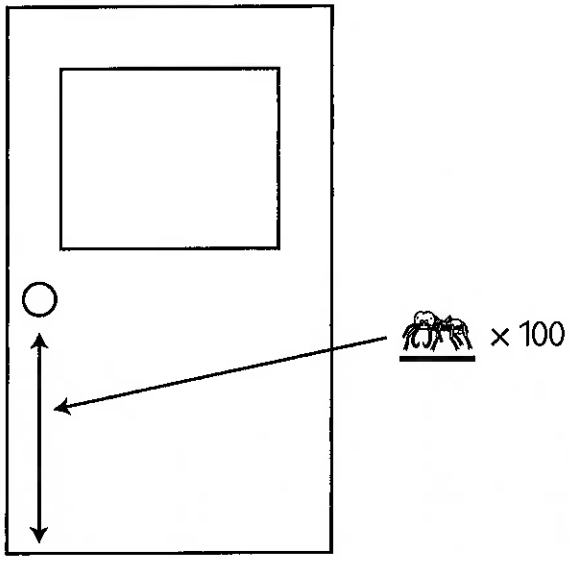
My 10 army ant friends make a line that is 10 centimeters, or 1 decimeter long.

1 List four different things on you or in your desk that are about the same length as a decimeter.

2 Use your ruler to help draw a line below that is exactly 15 centimeters long. How many of us army ants could stand on your line?

3 100 of my army ant friends would make a line that is 100 centimeters, or 1 meter long. That's about the same as the distance between the floor and the doorknob of your classroom door.

List four different things in your classroom that are about the same length as a meter.



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Place Value Review

1 Circle the place value of the underlined digit. Then write its value.

Number	Place Value	Value	Number	Place Value	Value
ex a 23̲8	ones (tens) hundreds	30	**ex b** 10̲9	(ones) tens hundreds	9
a 7̲43	ones tens hundreds		**b** 25̲3	ones tens hundreds	
c 1̲50	ones tens hundreds		**d** 6̲08	ones tens hundreds	

2 Write one of these signs on each line to make the sentence true.

< less than = the same as > greater than

ex 456 _<_ 546	**a** 85 _____ 58	**b** 327 _____ 372	**c** 106 _____ 610
d 218 _____ 218	**e** 735 _____ 573	**f** 204 _____ 240	**g** 483 _____ 438

3 Fill in the missing digits to make each statement true. There is more than one right answer for each one.

ex 3_2_7 < 347	**a** 235 > ___35	**b** 307 < ___07	**c** 135 < 13___
d 4___3 > 463	**e** 1___9 < 139	**f** 182 > 1___2	**g** 514 < 51___

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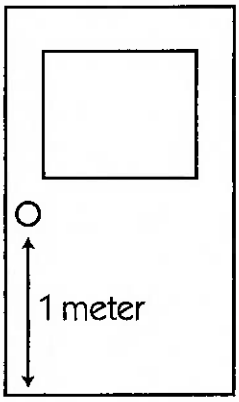
More about Meters

A meter is about the same as the distance between the floor and the doorknob of your classroom door. Look at the door in your classroom, or a meter stick if you have one. Now think about how long 20 meters would be, and answer these questions:

1 If you walked across your classroom the long way, would you go more or less than 20 meters?



2 Is it more or less than 20 meters from your classroom door to the office door?

3 How long would it take you to run 20 meters? Circle the answer that makes the most sense.

10 seconds 10 minutes 10 hours

4 List at least 2 different animals that might take 10 minutes to travel 20 meters.

5 Which unit would you use to measure the length of a soccer field? (Circle one.)

centimeters meters inches miles

6 Which unit would you use to measure the length of a crayon? (Circle one.)

centimeters meters feet miles

CHALLENGE

7 The circumference, or distance around, a soccer ball is 68 centimeters. Is that longer or shorter than one meter? By how much? Show your work.

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Addition & Subtraction Practice

1 Add the numbers.

40 + 3 =	20 + 38 =	57 + 31 =	50 + 16 =	75 + 25 =	34 + 34 =	35 + 35 =
290 + 9 =	340 + 20 =	562 + 35 =	225 + 15 =	325 + 25 =	325 + 26 =	450 + 50 =

2 Use pictures, numbers, and/or words to add the numbers in each box. Show all your work.

a 47 + 47	**b** 148 + 122

3 Subtract the numbers.

49 − 9 =	50 − 10 =	67 − 23 =	50 − 25 =	45 − 15 =	30 − 15 =	100 − 75 =

4 Choose *one* of the problems in the box. Circle it. Then solve it. Use pictures, numbers, and/or words to help. Show all your work.

35 − 15	50 − 25	83 − 49	123 − 99

NAME _____ **DATE** _____

Reading & Writing Numbers

1 Read each number. Then write it in expanded form.

example four hundred fifteen 415 = 400 + 10 + 5	**a** two hundred eighty-six
b seven hundred fifty-three	**c** six hundred twenty-one
d three hundred forty-seven	**e** nine hundred seventeen
f one hundred sixty	**g** eight hundred four

2 Add the numbers.

500 + 20 + 8 = _____ 200 + 20 + 2 = _____ 100 + 70 + 1 = _____

700 + 10 + 9 = _____ 800 + 40 + 7 = _____ 500 + 3 = _____

200	300	200	400	900	300	400
90	10	20	50	90	40	10
+ 1	+ 9	+ 6	+ 2	+ 9	+ 1	+ 8
_____	_____	_____	_____	_____	_____	_____

3 Circle the number that has the same value as the expanded form.

a 300 + 6 36 336 306 316	**b** 200 + 10 + 7 207 217 271 721

NAME _____ **DATE** _____

Adding & Subtracting

1 Add the numbers.

80	30	44	50	70	51	60
+ 6	+ 43	+ 24	+ 38	+ 7	+17	+ 16
370	120	890	360	340	430	125
+ 8	+ 6	+ 4	+ 15	+ 50	+ 27	+ 25

2 Use pictures, numbers, and/or words to add the numbers in each box. Show all your work.

a 36 + 55	**b** 129 + 133

3 Subtract the numbers.

86	39	48	56	35	55	50
– 6	– 9	– 7	– 5	– 15	– 25	– 25

4 Use pictures, numbers, and/or words to subtract the numbers in the box. Show all your work.

51 – 26