Α	Add or subtract.			#	Correct
1	1, 2,	3	23	99,, 101	100
2	11, 12,	13	24	19, 20,	21
3	21, 22,	23	25	119, 120,	121
4	71, 72,	73	26	35,, 37	36
5	3, 4,	5	27	135,, 137	136
6	3,, 5	4	28	, 24, 25	23
7	13,, 15	14	29	, 124, 125	123
8	23,, 25	24	30	142, 143,	144
9	83,, 85	84	31	138,, 140	139
10	7, 8,	9	32	, 149, 150	148
11	7,,9	8	33	148,, 150	149
12	, 8, 9	weg	34	, 149, 150	148
13	, 18, 19	17	35	, 163, 164	162
14	, 28, 29	27	36	187,, 189	188
15	, 58, 59	57	37	, 170, 171	169
16	12, 13,	10-1	38	178, 179,	180
17	45, 46, <u> </u>	M	39	192,, 194	193
18	12,, 14	13	40	, 190, 191	189
19	36,, 38	37	41	197,, 199	198
20	, 19, 20	18	42	168, 169,	170
21	, 89, 90	E E	43	199,, 201	200
22	98, 99,	100	44	, 160, 161	159

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Lesson 1:

Date:

Connect measurement with physical units by using multiple copies of the same physical unit to measure. 6/26/13

engage<sup>ny</sup>

В	Add or subtract.	Improvement # Correct			
1	0, 1,	2	23	99,, 101	100
2	10, 11,	12	24	29, 30,	31
3	20, 21,	22	25	129, 130,	131
4	70, 71,	72	26	34,, 36	35
5	2, 3,	H	27	134,, 136	135
6	2,, 4	3	28	, 23, 24	22
7	12,, 14	13	29	, 123, 124	122
8	22,, 24	23	30	141, 142,	143
9	82,, 84	83	31	128,, 130	129
10	6, 7,	8	32	, 149, 150	148
11	6,, 8	7	33	148,, 150	149
12	, 7, 8	Le	34	, 149, 150	148
13	, 17, 18	1 le	35	, 173, 174	172
14	, 27, 28	ale	36	167,, 169	168
15	, 57, 58	5 le	37	, 160, 161	159
16	11, 12,	13	38	188, 189,	190
17	44, 45,	46	39	193,, 195	194
18	11,, 13	12	40	, 170, 171	169
19	35,, 37	36	41	196,, 198	197
20	, 19, 20	18	42	178, 179,	180
21	, 79, 80	78	43	199,, 201	200
22	98, 99,	100	44	, 180, 181	179

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Lesson 1: Date:

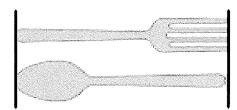
Connect measurement with physical units by using multiple copies of the same physical unit to measure. 6/26/13

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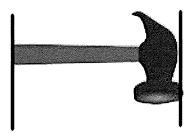
Name	Date	

Use centimeter cubes to find the length of each object.

1. The picture of the fork and spoon is about \_\_\_\_\_ centimeters long.



2. The picture of the hammer is about  $\frac{5}{2}$  centimeters long.



3. The length of the picture of the comb is about  $\frac{9}{2}$  centimeters.



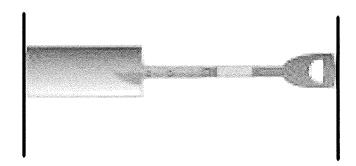


Lesson 1:

Connect measurement with physical units by using multiple copies of the same physical unit to measure. 6/26/13

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4. The length of the picture of the shovel is about \_\_



5. The head of a grasshopper is 2 centimeters long. The rest of the grasshopper's body is 7 centimeters long. What is the total length of the grasshopper?

- 6. The length of a screwdriver is 19 centimeters. The handle is 5 centimeters long.
  - a. What is the length of the top of the screwdriver?

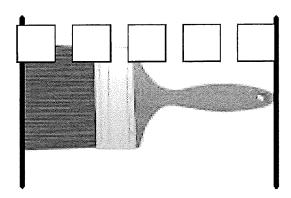
b. How much shorter is the handle than the top of the screwdriver?



	<b>A</b> 1
Name	Date
INUME	<b>Date</b>

1. Sara lined up her centimeter cubes to find the length of the picture of the paintbrush.

Sarah thinks the picture of the paintbrush is 5 centimeter cubes long.



Is her answer correct? Explain why or why not.

She is incorrect because there is a space between the cubes.
The paintbrush is really 7 cm.

Nai	me Date
Cou	unt each centimeter cube to find the length of each object.
1.	The crayon is centimeter cubes long.
2.	The pencil is centimeter cubes long.
3.	The clothespin is centimeters.
4.	The length of the marker is/ centimeters.

5. Richard has 43 centimeter cubes. Henry has 36 centimeter cubes. What is the length of their cubes altogether?

6. The length of Marisa's loaf of bread is 56 centimeters. She cut off of 32 centimeters of bread. What is the length of what she has left?

$$56 - 32 = 24 cm$$

7. The length of Jimmy's math book is 19 centimeter cubes. His reading book is 15 centimeter cubes longer. What is the length of his reading book?



Lesson 1:

Date:

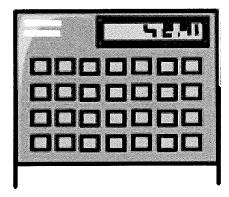
Name	Date
Name.	Date

Find the length of each object using one centimeter cube. Mark the endpoint of each centimeter cube as you measure.

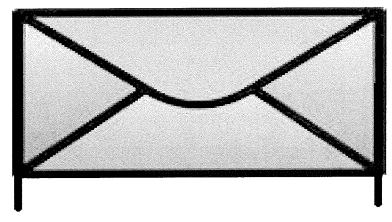
1. The picture of the eraser is about  $\angle$ \_ centimeter cubes



2. The picture of the calculator is about \_\_\_\_ centimeter cubes long.



3. The length of the picture of the envelope is. \_\_centimeters.

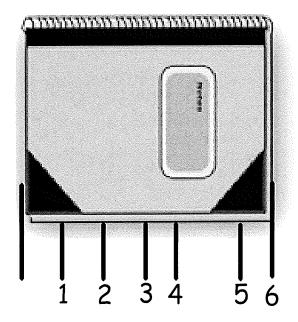


4. Jayla measured her puppet's legs to be 23 centimeters long. The stomach was 7centimeters long and the neck and head together were 10 centimeters long. What was the total length of the puppet?

$$23 + 7 + 10$$

$$30 + 10 = 40 cm$$

5. Elijah begins measuring his math book with his centimeter cube. He marks off where each cube ends. After a few times, he decides this process is taking too long and starts to guess where the cube would end and then marks it.

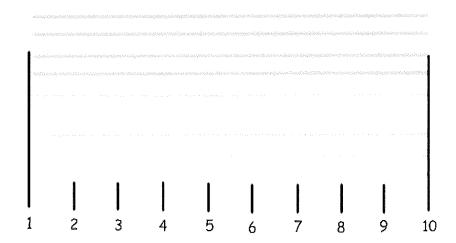


Explain why Elijah's answer will be incorrect.

because the spaces each lem so you cannot

Name Date	

1. Matt measured his index card using a centimeter cube. He marked the endpoint of the cube as he measured. He thinks the index card is 10 centimeters long.



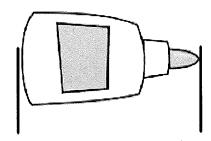
a. Is Matt's work correct? Explain why or why not.

b. If you were Matt's teacher what would you tell him?

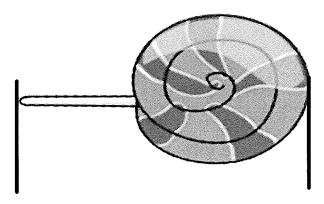
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Name	Date
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Use the centimeter cube on the next page to measure the length of each object. Mark the endpoint of the cube as you measure.

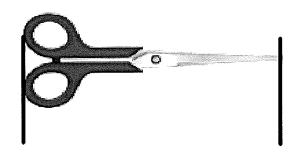
1. The picture of the glue is about  $\frac{1}{2}$  centimeters long.

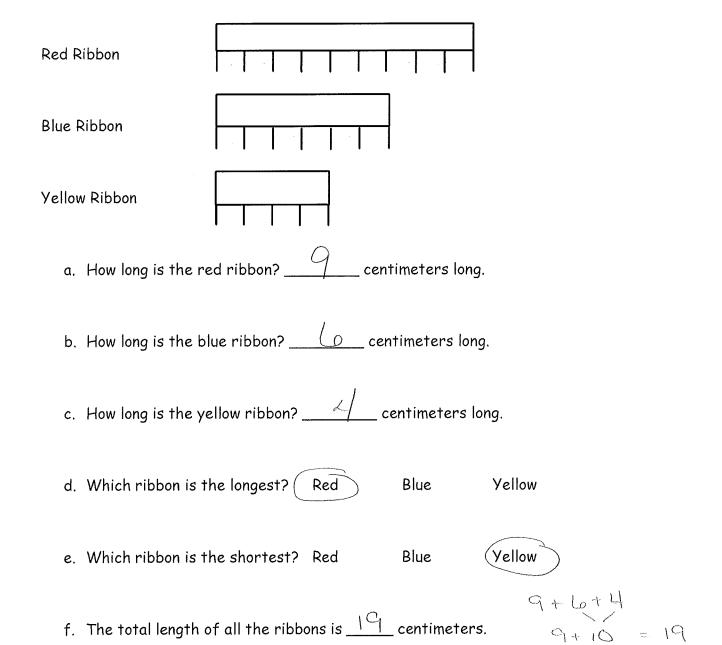


2. The picture of the lollypop is about  $\underline{\mathcal{C}}$  centimeters long.



3. The picture of the scissors is about \_\_\_\_\_ centimeters long.





Cut out this centimeter cube to measure the length of the glue, lollypop, and scissors.





Lesson 2: Date:

Use iteration with one physical unit to measure. 6/26/13



Α	F:11 := 0==:						Ŧ	# Corr	ect_	
		ssing number.								
1	0+	8		10	23	13 +			=	20
2	9+	-	=	10	24	23 +			=	30
3	8+	2	=	10	25	27 +	3		=	30
4	7+	3	=	10	28	5+	5		=	10
5	6+	4	=	10	27_	25 +	5	)	=	30
6	5+	5	=	10	28	2 +	8		=	10
7	1+	9	=	10	29	22 +	8	, )	=	30
8	2+	8	=	10	30	13.	١	8	=	30
9	3+	7	=	10	31	, <del>1</del> 3	(	7	=	10
10	4+	le	=	10	32	11 +	C	9	=	20
11	10 +	$\circ$	=	10	33	21 ÷	<u> </u>	7	=	30
12	9+	1	=	10	34	31 +	(	7	=	40
13	19+		=	20	35	38 +	c	2	=	40
14	5+	5	=	10	36	36 +	L	{	=	40
15	15+	5	=	20	27	39 ÷			=	40
16	8+	2	=	10	38	35 +	5	)	=	40
17	18 +	2	=	20	39		24	+6	=	30
18	6+	4	=	10	40		12	+8	=	20
19	16+	<b>L</b> .	=	20	41		33	+ 7	=	40
20	7+	3	=	10	42		14	+6	=	20
21	17 +	3	=	20	43		26	+ 4	=	30
22	3+	7	=	10	44_		32	+ 8	=	40

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Lesson 3:

Apply concepts to create unit rulers, measure lengths using unit rulers.

6/26/13



В	Fill-in the m	issing number.	Improv	/emen		# Corr	ect	
1	10+	Ö	= 10	23	14 +	b	_	20
2	9+		= 10	24	24 +	<u>6</u>	=	30
3	8+	2_	= 10	25	26 +	4	=	30
4	7+	3	= 10	26	9+		=	10
5	6+	4	= 10	27	29+		=	30
6	5+	5	= 10	28	3+	7	=	10
7	1+	9	= 10	29	23 +	7	=	30
8	2+	8	= 10	30	la 量+	18	_=	30
9	3+		= 10	31	2+	8	=	10
10	4+	6	= 10	32	12 +	8	=	20
11	0+	10	= 10	33	22 +	8	=	30
12	5+	5	= 10	34	32 +	8,	=	40
13	15+	5	= 20	35	37 +	3	=	40
14	9+		= 10	. 38	34 +	<u>b</u>	=	40
15	19 +		= 20	37	35 ÷	5	=	40
16	8+	2	= 10	38	39+		=	40
17	18+	2_	= 20	39		2b + 4	=	30
18	7+	3	= 10	40		+ 9	=	20
19	17 +	3	= 20	41		36 +4	=	40
20	6+	4	= 10	42		13 +7	=	_20
21	16+	4	= 20	43		$\frac{27 + 3}{}$	_	30
22	4+	b	= 10	44		31 +9	=	40

@Bill Davidson



Lesson 3: Date:

Apply concepts to create unit rulers, measure lengths using unit rulers. 6/26/13

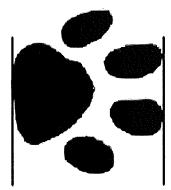
engage<sup>ny</sup>

Fixed

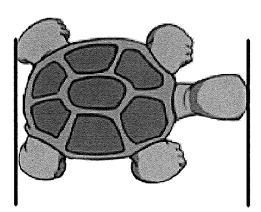
Vame	Date	

Use your centimeter ruler to measure the length of the objects below.

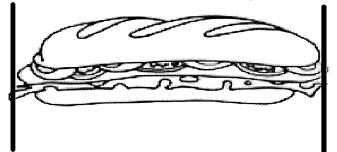
1. The picture of the animal track is about \_\_\_\_ cm long.



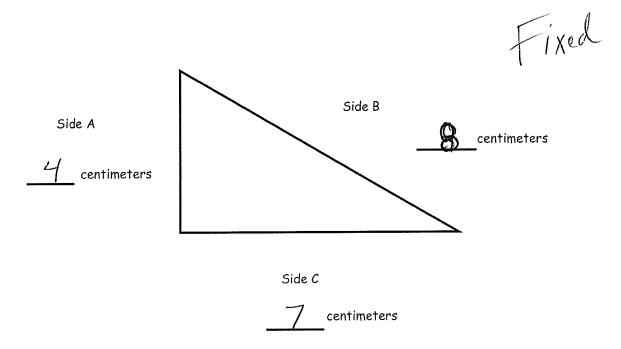
2. The picture of the turtle is about 6 cm long.



3. The picture of the sandwich is about



4. Measure and label the length of each side of the triangle using your ruler.



- a. Which side is the shortest? Side A Side B Side C
- b. What is the length of Sides A and B together? \_\_
- c. How much shorter is Side C than Side B? \_\_ centimeters.

Date:

N launa	Date
Name	Date

1. Use your centimeter ruler. What is the length in centimeters of each line?

a. Line a is \_\_\_\_\_\_cm long.

Line a

Fixed a,b,c

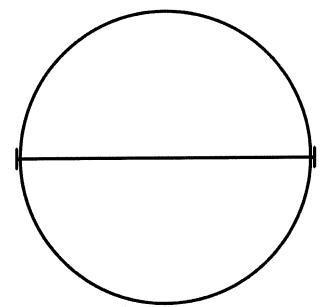
b. Line b is \_\_\_\_cm long.

Line b

c. Line c is 3 cm long.

Line c

2. Find the length across the center of the circle.

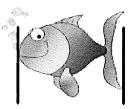


The length across the circle is 8 cm.

Name	<b>k</b> . ,
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Measure the lengths of the objects with the centimeter ruler you made in class.

1. The picture of the fish is  $\underline{3}$  cm long.



Firem

2. The picture of the fish tank is \_\_\_\_ cm long.



Fixed

3. The picture of the fish tank is 8 cm longer than the picture of the fish.

11-3=8



4. Measure the lengths of sides A, B, and C. Write their length on the line.

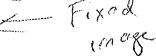


Side B









Side C

a. Which side is the longest?

Side A Side B



- b. How much longer is Side B than Side A? \_\_\_\_\_ cm longer.
- c. How much shorter is Side A than Side C? \_\_\_\_ cm shorter.
- d. Sides B and D are the same length. What is the length of Sides B and D together?
- e. What is the total length of all four sides of this figure?  $\bigcirc$  Cm.



Apply concepts to create unit rulers, measure lengths using unit rulers. 6/26/13