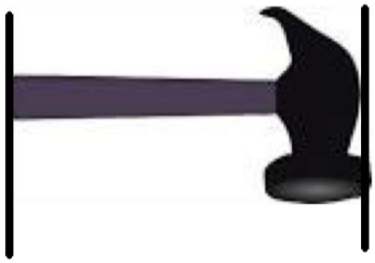
Name _____ Date _____

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 ____ centimeters long.



3. The length of the picture of the comb is about _____ centimeters.

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4. The length of the picture of the shovel is about _____ centimeters .

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?

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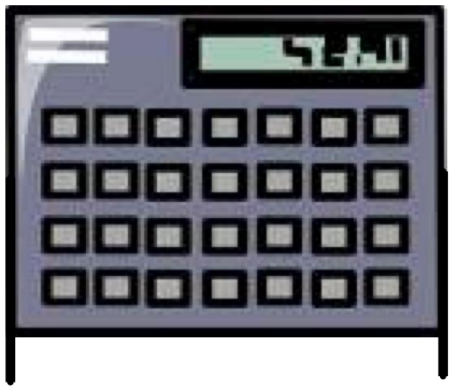
Name _____ Date _____

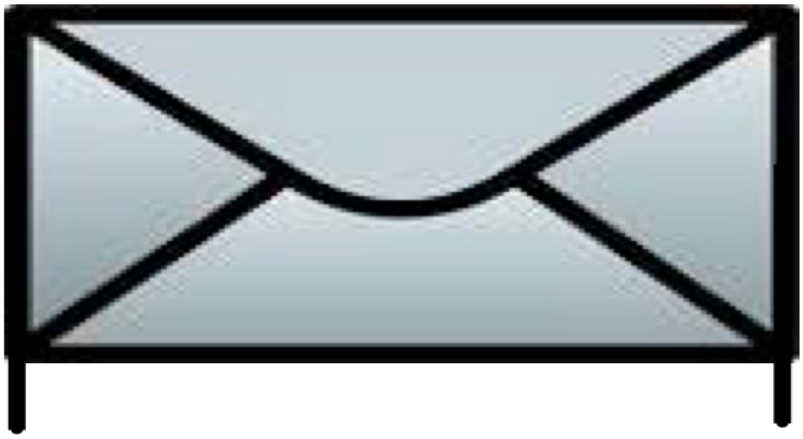
Find the length of each object using one centimeter cube. Mark the endpoint of each centimeter cube as you measure.

1. The picture of the eraser is about _____ centimeter cubes

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



3. The length of the picture of the envelope is _____ centimeters.



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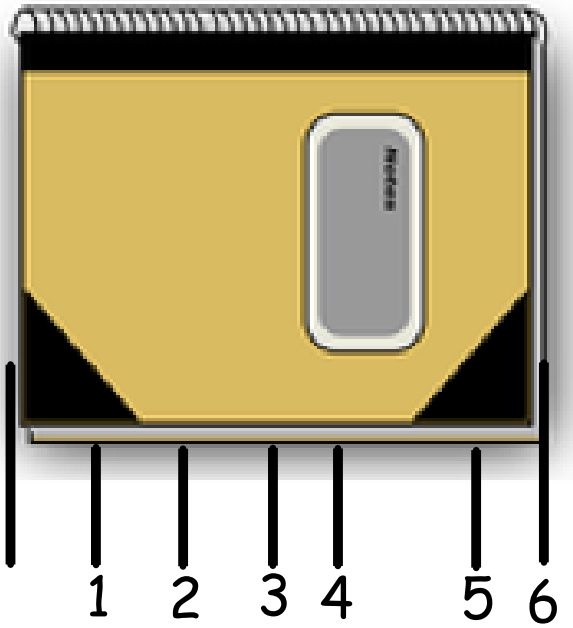
4. Jayla measured her puppet's legs to be 23 centimeters long. The stomach was 7 centimeters long and the neck and head together were 10 centimeters long. What was the total length of the puppet?

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.

_____

_____

_____

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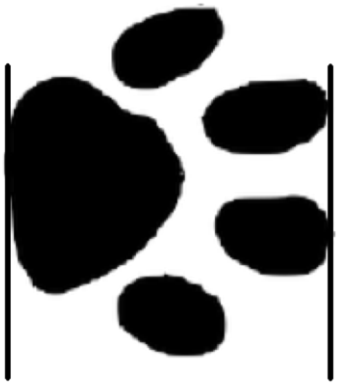
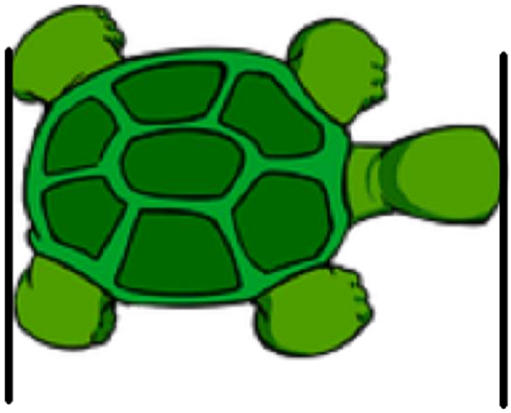
Name _____ Date _____

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 _____ cm long.



3. The picture of the sandwich is about _____ cm long.

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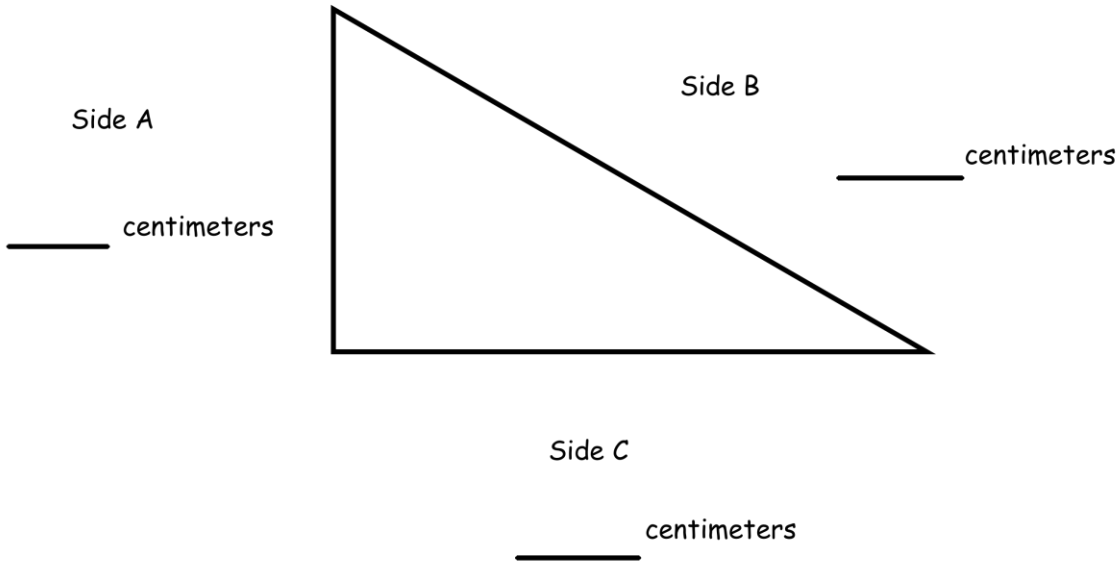
4. Measure and label the length of each side of the triangle using your ruler.



a. Which side is the shortest? Side A Side B Side C

b. What is the length of Sides A and B together? _____ centimeters.

c. How much shorter is Side C than Side B? _____ centimeters.

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Name _____ Date _____

1. Measure 5 things in the classroom with a centimeter ruler. List the five things and their length in centimeters.

Object Name	Length in centimeters
a.	
b.	
c.	
d.	
e.	

2. Measure 4 things in the classroom with a meter stick or meter tape. List the four things and their length in meters.

Object Name	Length in meters
a.	
b.	
c.	
d.	

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3. List 5 things in your house that you would measure with a meter stick or meter tape.

   1. _____

   2. _____

   3. _____

   4. _____

   5. _____

Why would you want to measure those five items with a meter stick or meter tape instead of a centimeter ruler?

_____

_____

4. The distance from the cafeteria to the gym is 14 meters. The distance from the cafeteria to the playground is double the distance. How many times would you need to use a meter stick to measure the distance from the cafeteria to the playground?

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Name _____ Date _____

First estimate the length of each line in centimeters using mental benchmarks. Then measure each line with a cm ruler to find the actual length.

1. _____

a. Estimate: _____ cm
b. Actual length: _____ cm

2. _____

a. Estimate: _____ cm
b. Actual length: _____ cm

3. _____

a. Estimate: _____ cm
b. Actual length: _____ cm

4. _____

a. Estimate: _____ cm
b. Actual length: _____ cm

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5. _____

a. Estimate: _____ cm
b. Actual length: _____ cm

6. Circle the correct unit of measurement for each length estimation.

a. The height of a door is about 2 (centimeters/meters) tall.
What benchmark did you use to estimate? _____

b. The length of a pen is about 10 (centimeters/meters) long.
What benchmark did you use to estimate? _____

c. The length of a car is about 4 (centimeters/meters) long.
What benchmark did you use to estimate? _____

d. The length of a bed is about 2 (centimeters/meters) long.
What benchmark did you use to estimate? _____

e. The length of a dinner plate is about 20 (centimeters/meters) long.
What benchmark did you use to estimate? _____

7. Use an unsharpened pencil to estimate the length of 3 things in your desk.

a. _____ is about _____ cm long.

b. _____ is about _____ cm long.

c. _____ is about _____ cm long.

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Name _____ Date _____

Measure each set of lines in centimeters write the length on the line. Complete the comparison sentence.

1. Line A _____

   Line B _____

   Line A measured about _____ cm. Line B measured about _____ cm.

   Line A is about _____ cm longer than Line B.

2. Line C _____

   Line D _____

   Line C measured about _____ cm. Line D measured about _____ cm.

   Line C is about _____ cm shorter than Line D.

3. Line E _____

   Line F _____

   Line G _____

   Line E measured about _____ cm. Line F measured about _____ cm.

   Line G measured about _____ cm. Lines E, F, and G are about_____ cm combined.

   Line E is about _____ cm shorter than Line F.

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Line E is about _____cm shorter than Line G.

Line G is about_____ cm longer than Line F.

Line F doubled is about _____cm longer than Line G.

4. Daniel measured the heights of some young trees in the orchard. He is trying to find out how many more centimeters are needed to have a height of 1 meter?

90 cm + _____ cm = 1 m

80 cm + _____ cm = 1 m

85 cm + _____ cm = 1 m

81 cm + _____ cm = 1m

5. Carol's ribbon is 76 centimeters long. Alice's ribbon is 1 meter long. How much longer is Alice's ribbon than Carol's?

6. The cricket hopped a distance of 52 centimeters. The grasshopper hopped 19 centimeters farther than the cricket. How far did the grasshopper jump?

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7. The pencil box is 24 centimeters in length and 12 centimeters wide. How many more centimeters is the length than the width? _____ more cm.

   Draw the rectangle and label the sides.

   What is the total length of all four sides? _____ cm.

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Name _____ Date _____

Measure each set of lines with one small paper clip, using mark and move forward. Measure each set of lines in centimeters using a ruler.

1. Line A _____

   Line B _____

   Line A is _____ paper clips. Line A is _____ cm long.

   Line B is _____ paper clips. Line B is _____ cm long.

   Line B is _____ paper clips shorter than Line A.

   Line A is _____ cm longer than Line B.

2. _____ Line L

   _____ Line M

   Line L is _____ paper clips. Line L is _____ cm long.

   Line M is _____ paper clips. Line M is _____ cm long.

   Line L is _____ paper clips longer than Line M.

   Line M doubled is _____ cm longer than Line L.

3. Draw a line that is 16 cm long and another line below it that is 11 cm long. Label the 16-cm line R and the 11-cm line S.

   Line R measured _____ paper clips.
   Line S measured _____ paper clips.

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4. Draw a line that is 8 cm long and another line below it that is 20 cm long.

   Label the 8-cm line C and the 20-cm line D.

   Line C is _____ paper clips long.
   Line D is _____ paper clips long.
   Line D is _____ cm longer than Line C.
   Line C is _____ paper clips shorter than Line D.
   Lines C and D are _____ paper clips long.
   Lines C and D are _____ centimeters long.

5. Christina measured line F with quarters and line G with pennies.

   Line F

   Line G _____

   Line F measured the length of about 6 quarters.
   Line G measured the length of about 8 pennies.
   Christina said line G is longer because 8 is a bigger number than 6.
   Explain why Christina is incorrect.

   _____

   _____

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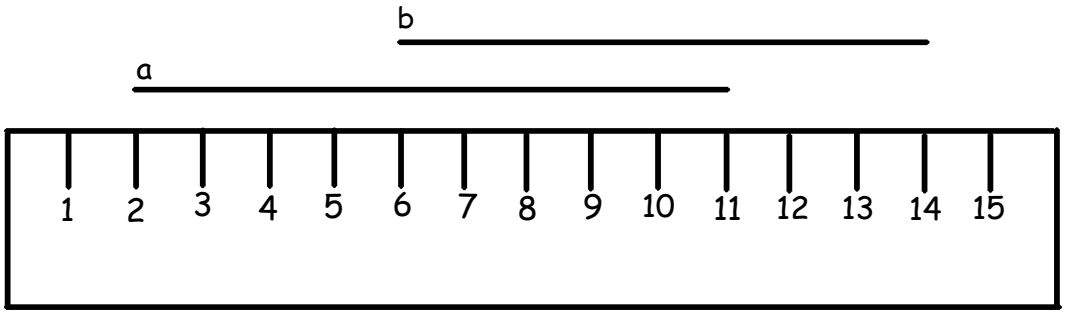
Name _____ Date _____

1.



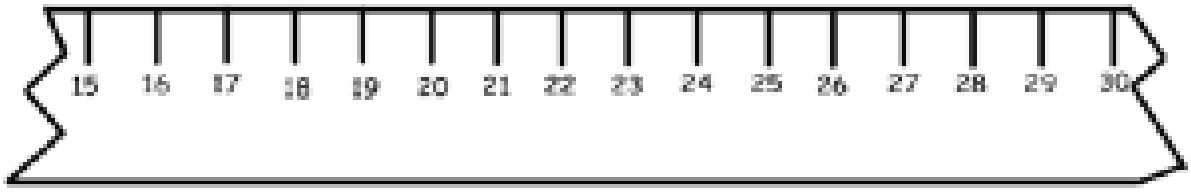
Line a is _____ cm long.

Line b is _____ cm long.

Together, Lines a and b measure _____ cm.

Line a is _____ cm (longer/shorter) than Line b.

2. A cricket jumped 5 centimeters forward and 9 centimeters back then stopped. If the cricket started at 23 on the ruler, where did the cricket stop? Show your work on the broken centimeter ruler.



3. Marty made a train of red and yellow centimeter cubes that measured 16 centimeters in length. He added 11 more yellow cubes and removed 8 red cubes. What is the length of the train now?

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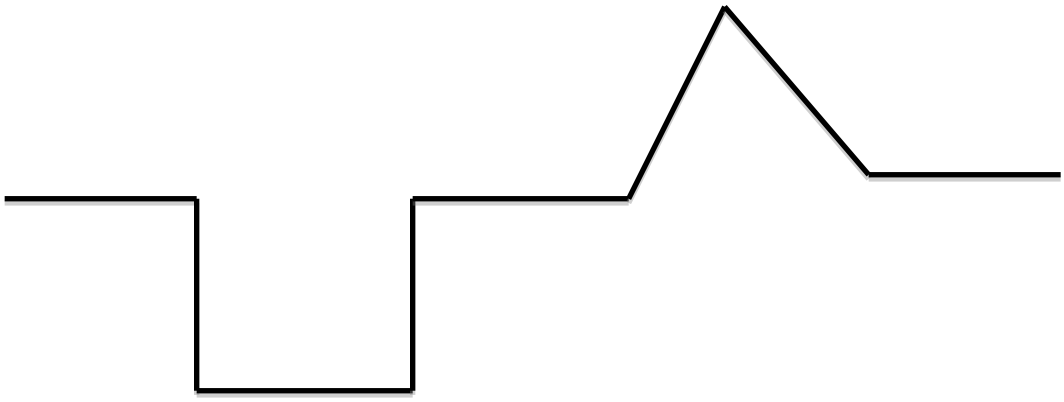
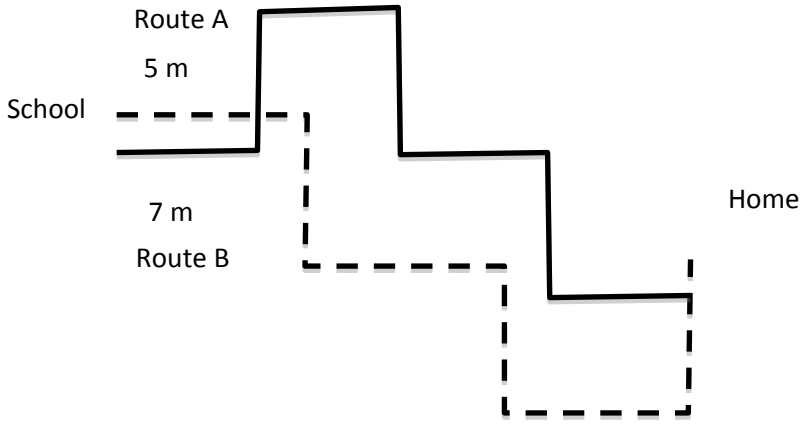
4. Each of the parts of the path below is 4 length units. What is the total length of the path? _____ length units.



5. Ben took two different ways home from school to see which way was the quickest. All streets on Route A are the same length. All streets on Route B are the same length.



a. How many meters is Route A? _____m.

b. How many meters is Route B? _____ m.

c. What is the difference between Route A and Route B? _____ m.

d. Which route should Ben take if he wants to get home quickly? _____

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Name _____ Date _____

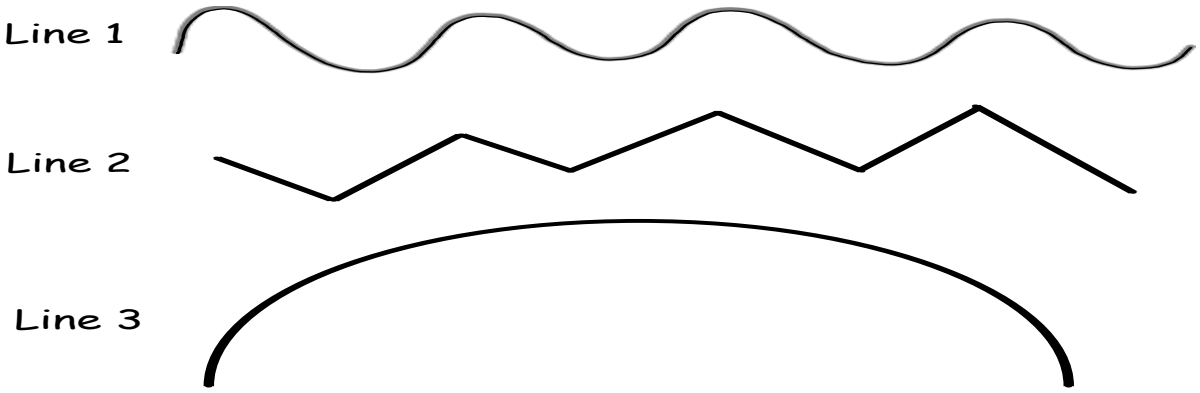
1. Complete the chart by first estimating the measurement around a classmate's body part. Then find the actual measurement with a meter tape.

Student Name	Body Part Measured	Estimated Measurement in Centimeters	Actual Measurement in Centimeters
	Neck		
	Wrist		
	Head		

a. Which was longer, your estimate or the actual measurement around your classmate's head? _____

b. Draw a tape diagram to compare two actual lengths from your chart.

2. Use a string to measure all three lines.



Which line is the longest? _____

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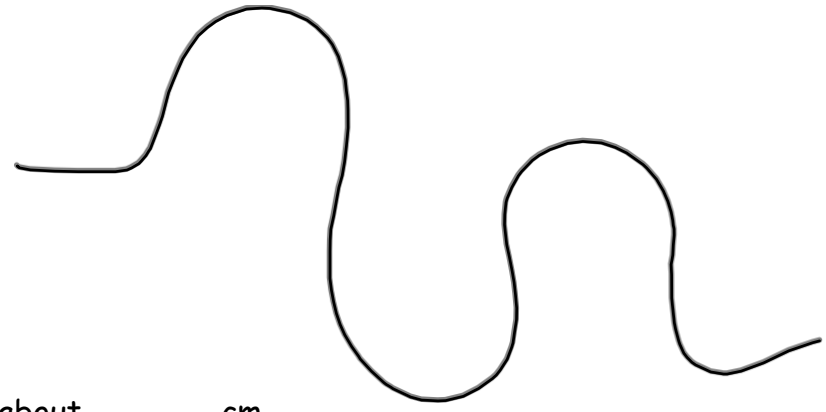
Which line in the shortest? _____

Draw a tape diagram to compare two of the lengths.

3. Estimate the length of the line below in centimeters.



The line is about _____ cm.

Use your piece of string to measure the length of the line. Then measure the string with your ruler.

The actual length of the line is _____cm.

Draw a tape diagram to compare your estimation and the actual length of the line.

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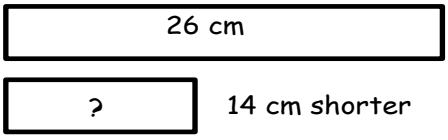
Name _____ Date _____

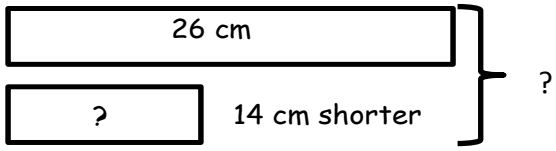
Draw a tape diagram for each step.

1. Maura's ribbon is 26 cm long. Colleen's ribbon is 14 cm shorter than Maura's ribbon. What is the total length of both the ribbons?

   Step 1: Find the length of Colleen's ribbon.



   Step 2: Find the length of both ribbons.



2. Jesse's doll is 30 cm tall. Sarah's doll is 9 cm shorter than Jessie's doll. What is the total length of both dolls?

   Step 1: Find the length of Sarah's doll.

   Step 2: Find the length of both dolls.

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3. Steven has a black leather strip that is 13 centimeters long. He cut off 5 centimeters. His teacher gave him a brown leather strip that is 16 centimeters long. What is the total length of both strips?

   Step 1: Find the length of black leather strip after being cut.

   Step 2: Find the length of the black and brown leather strips together.

4. Pam and Mark measured the distance around each other's wrists. Pam's measured 10 cm. Mark's measured 3 cm more than Pam's. What might be the total length around their wrists (all four wrists).

   Step 1: Find the distance around both Mark's wrists.

   Step 2: Find the total measurement of all four wrists.

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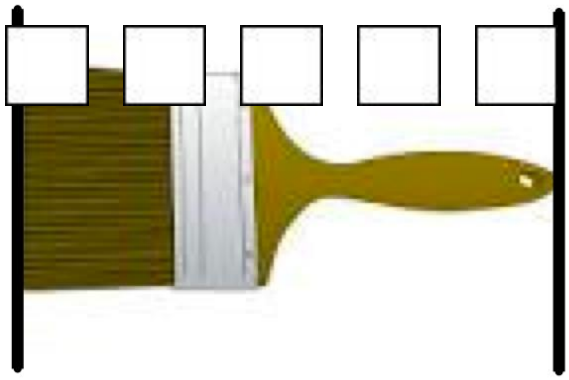
Name _____ Date _____

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.

_____

_____

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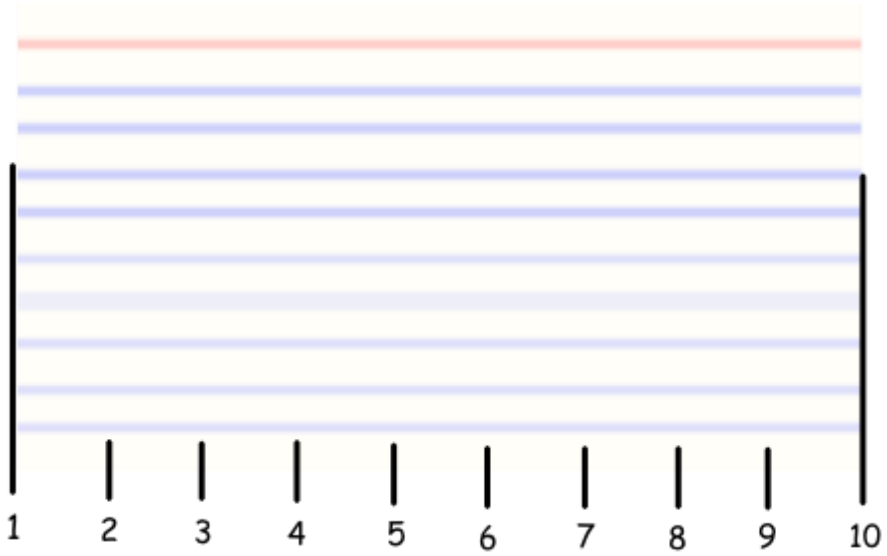
Name _____ Date _____

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 _____

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

   a. Line a is _____cm long.

      Line a _____

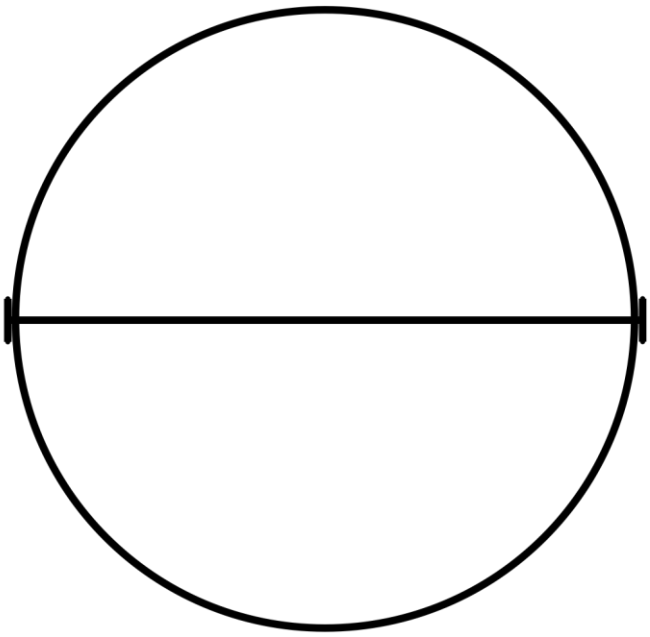
   b. Line b is _____cm long.

      Line b _____

   c. Line c is _____cm long.

      Line c _____

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



   The length across the circle is _____ cm.

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Name _____ Date _____

1. Circle centimeter or meter to show which measurement you would use to measure the length of each object.

Length of a train	cm	or	m
Length of an envelope	cm	or	m
Length of a house	cm	or	m

2. Would it take more meters or more centimeters to measure the length of playground? Explain your answer.

_____

_____

_____

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Name _____ Date _____

1. Circle the most reasonable estimate for each object.
   a. Length of a push pin 1 cm or 1 m
   b. Length of classroom door 100 cm or 2 m
   c. Length of a pair of students scissors 17 cm or 42 cm

2. Estimate the length of your desk. (Remember that your pinky is about 1 cm.)

   My desk is about _____ cm long.

3. How does knowing that an unsharpened pencil is about 20 cm long help you estimate the length of your arm from your elbow to your wrist?

   _____

   _____

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Name _____ Date _____

1. Measure the length of each line and compare.

_____ Line M

_____ Line N

_____ Line O

Line M is about ____cm longer than Line O.

Line N is about ____cm shorter than Line M.

Line N doubled would be about ____cm (longer/shorter) than Line M.

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Name _____ Date _____

Measure the lines with small paper clips and answer the questions below.

Line 1 _____

Line 2 _____

Line 3 _____

Line 1 is _____ paper clips. Line 1 is _____ cm long.

Line 2 is _____ paper clips. Line 2 is _____ cm long.

Line 3 is _____ paper clips. Line 3 is _____ cm long.

Explain why each line had more centimeters than paper clips.

_____

_____

_____

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Name _____ Date _____

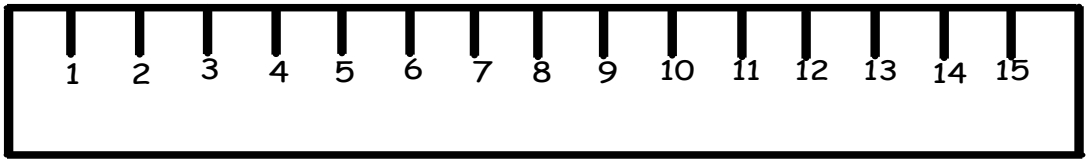
1. Using the ruler below draw one line that begins at 2 cm and ends at 12 cm. Label that line R. Draw another line that begins at 5 cm and ends at 11 cm. Label that line S.

   a. Add 3 cm to Line R and 4 cm to Line S.

   b. How long is the new line extended from R? _____ cm

   c. How long is the new line extended from Line S? _____ cm

   d. The new line extended from Line S is _____ cm (shorter/longer) than the new line extended from Line R.



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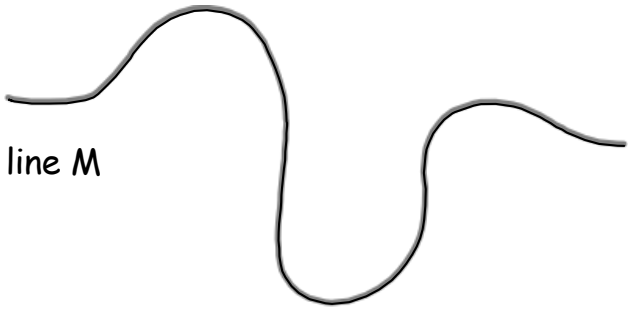
Name _____ Date _____

1. Measure the two lines by using your string. Write the length in centimeters.



line N

Line M is _____ cm long.

Line N is _____ cm long.

2. Mandy measured the lines and said both lines are the same length.
Is Mandy's answer correct? Yes or no. _____

Explain why or why not.

_____

_____

3. Draw a tape diagram to compare the two lengths.

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Name _____ Date _____

The length of a crayon is 9 centimeters. A pencil is 11 centimeters longer than the crayon. What is the total length of both the crayon and the pencil?

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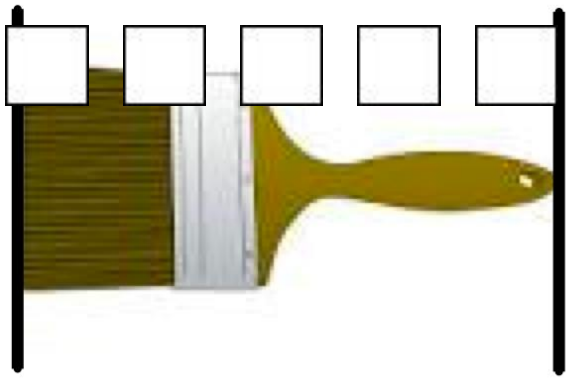
Name _____ Date _____

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.

_____

_____

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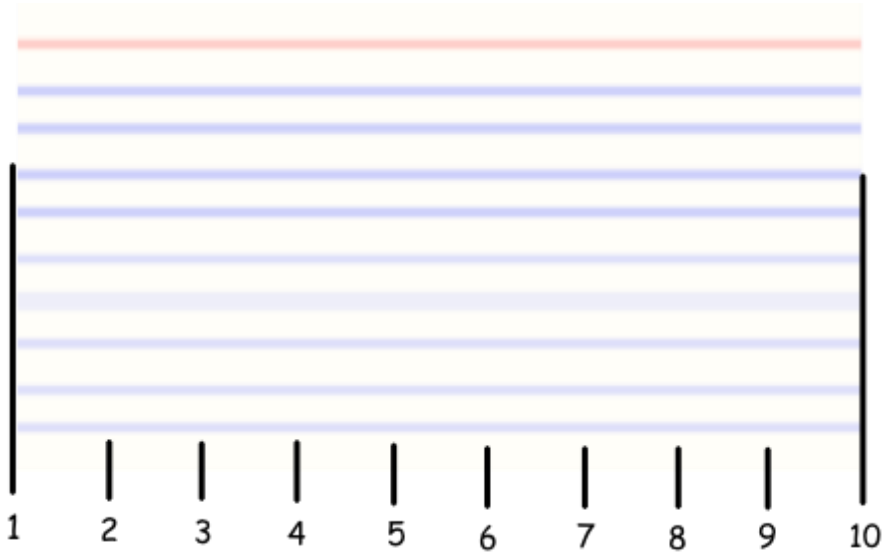
Name _____ Date _____

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 _____

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

   a. Line a is _____cm long.

      Line a _____

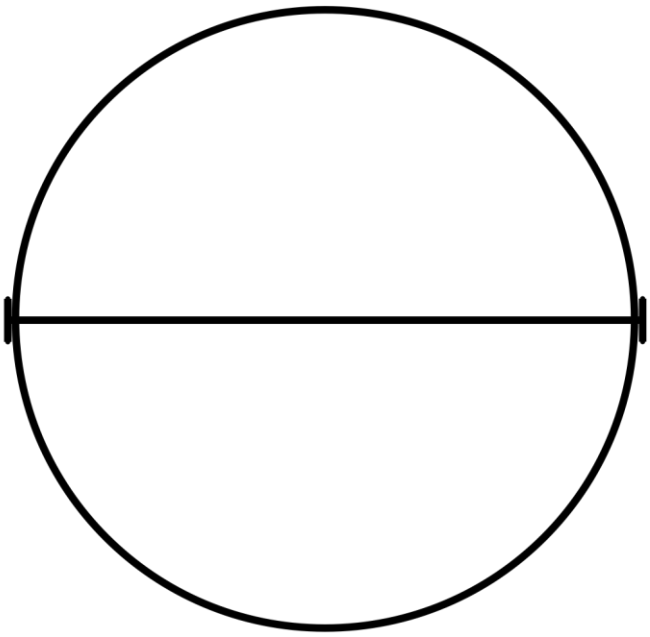
   b. Line b is _____cm long.

      Line b _____

   c. Line c is _____cm long.

      Line c _____

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



   The length across the circle is _____ cm.

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Name _____ Date _____

1. Circle centimeter or meter to show which measurement you would use to measure the length of each object.

Length of a train	cm	or	m
Length of an envelope	cm	or	m
Length of a house	cm	or	m

2. Would it take more meters or more centimeters to measure the length of playground? Explain your answer.

_____

_____

_____

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Name _____ Date _____

1. Circle the most reasonable estimate for each object.
   a. Length of a push pin 1 cm or 1 m
   b. Length of classroom door 100 cm or 2 m
   c. Length of a pair of students scissors 17 cm or 42 cm

2. Estimate the length of your desk. (Remember that your pinky is about 1 cm.)

   My desk is about _____ cm long.

3. How does knowing that an unsharpened pencil is about 20 cm long help you estimate the length of your arm from your elbow to your wrist?

   _____

   _____

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Name _____ Date _____

1. Measure the length of each line and compare.

_____ Line M

_____ Line N

_____ Line O

Line M is about ____cm longer than Line O.

Line N is about ____cm shorter than Line M.

Line N doubled would be about ____cm (longer/shorter) than Line M.

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Name _____ Date _____

Measure the lines with small paper clips and answer the questions below.

Line 1 _____

Line 2 _____

Line 3 _____

Line 1 is _____ paper clips. Line 1 is _____ cm long.

Line 2 is _____ paper clips. Line 2 is _____ cm long.

Line 3 is _____ paper clips. Line 3 is _____ cm long.

Explain why each line had more centimeters than paper clips.

_____

_____

_____

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Name _____ Date _____

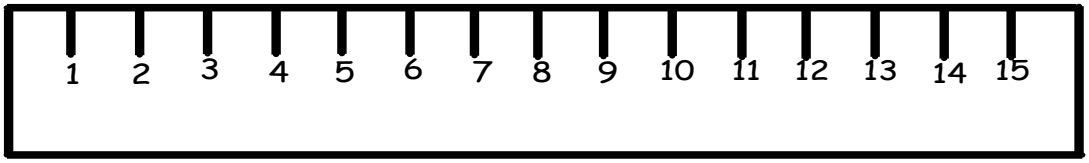
1. Using the ruler below draw one line that begins at 2 cm and ends at 12 cm. Label that line R. Draw another line that begins at 5 cm and ends at 11 cm. Label that line S.

   a. Add 3 cm to Line R and 4 cm to Line S.

   b. How long is the new line extended from R? _____ cm

   c. How long is the new line extended from Line S? _____ cm

   d. The new line extended from Line S is _____ cm (shorter/longer) than the new line extended from Line R.



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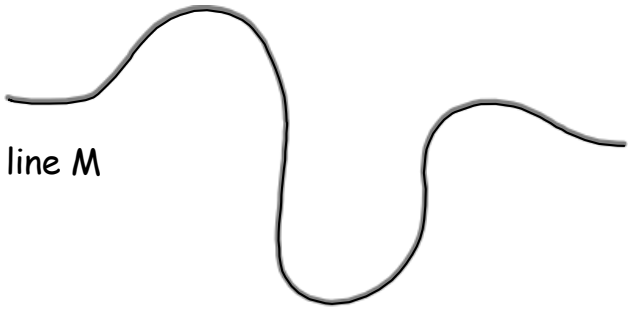
Name _____ Date _____

1. Measure the two lines by using your string. Write the length in centimeters.



line N

Line M is _____ cm long.

Line N is _____ cm long.

2. Mandy measured the lines and said both lines are the same length.
Is Mandy's answer correct? Yes or no. _____

Explain why or why not.

_____

_____

3. Draw a tape diagram to compare the two lengths.

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Name _____ Date _____

The length of a crayon is 9 centimeters. A pencil is 11 centimeters longer than the crayon. What is the total length of both the crayon and the pencil?

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A # Correct _____

Add or subtract.

1	1, 2, ___		23	99, ___, 101	
2	11, 12, ___		24	19, 20, ___	
3	21, 22, ___		25	119, 120, ___	
4	71, 72, ___		26	35, ___, 37	
5	3, 4, ___		27	135, ___, 137	
6	3, ___, 5		28	___, 24, 25	
7	13, ___, 15		29	___, 124, 125	
8	23, ___, 25		30	142, 143, ___	
9	83, ___, 85		31	138, ___, 140	
10	7, 8, ___		32	___, 149, 150	
11	7, ___, 9		33	148, ___, 150	
12	___, 8, 9		34	___, 149, 150	
13	___, 18, 19		35	___, 163, 164	
14	___, 28, 29		36	187, ___, 189	
15	___, 58, 59		37	___, 170, 171	
16	12, 13, ___		38	178, 179, ___	
17	45, 46, ___		39	192, ___, 194	
18	12, ___, 14		40	___, 190, 191	
19	36, ___, 38		41	197, ___, 199	
20	___, 19, 20		42	168, 169, ___	
21	___, 89, 90		43	199, ___, 201	
22	98, 99, ___		44	___, 160, 161	

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B Improvement _____ # Correct _____

Add or subtract.

1	0, 1, ___		23	99, ___, 101	
2	10, 11, ___		24	29, 30, ___	
3	20, 21, ___		25	129, 130, ___	
4	70, 71, ___		26	34, ___, 36	
5	2, 3, ___		27	134, ___, 136	
6	2, ___, 4		28	___, 23, 24	
7	12, ___, 14		29	___, 123, 124	
8	22, ___, 24		30	141, 142, ___	
9	82, ___, 84		31	128, ___, 130	
10	6, 7, ___		32	___, 149, 150	
11	6, ___, 8		33	148, ___, 150	
12	___, 7, 8		34	___, 149, 150	
13	___, 17, 18		35	___, 173, 174	
14	___, 27, 28		36	167, ___, 169	
15	___, 57, 58		37	___, 160, 161	
16	11, 12, ___		38	188, 189, ___	
17	44, 45, ___		39	193, ___, 195	
18	11, ___, 13		40	___, 170, 171	
19	35, ___, 37		41	196, ___, 198	
20	___, 19, 20		42	178, 179, ___	
21	___, 79, 80		43	199, ___, 201	
22	98, 99, ___		44	___, 180, 181	

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A # Correct _____

Fill-in the missing number.

1	0 +	= 10	23	13 +	= 20
2	9 +	= 10	24	23 +	= 30
3	8 +	= 10	25	27 +	= 30
4	7 +	= 10	26	5 +	= 10
5	6 +	= 10	27	25 +	= 30
6	5 +	= 10	28	2 +	= 10
7	1 +	= 10	29	22 +	= 30
8	2 +	= 10	30	32 +	= 30
9	3 +	= 10	31	1 +	= 10
10	4 +	= 10	32	11 +	= 20
11	10 +	= 10	33	21 +	= 30
12	9 +	= 10	34	31 +	= 40
13	19 +	= 20	35	38 +	= 40
14	5 +	= 10	36	36 +	= 40
15	15 +	= 20	37	39 +	= 40
16	8 +	= 10	38	35 +	= 40
17	18 +	= 20	39	+ 6	= 30
18	6 +	= 10	40	+ 8	= 20
19	16 +	= 20	41	+ 7	= 40
20	7 +	= 10	42	+ 6	= 20
21	17 +	= 20	43	+ 4	= 30
22	3 +	= 10	44	+ 8	= 40

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B Improvement _____ # Correct _____

Fill-in the missing number.

1	10 +	= 10	23	14 +	= 20
2	9 +	= 10	24	24 +	= 30
3	8 +	= 10	25	26 +	= 30
4	7 +	= 10	26	9 +	= 10
5	6 +	= 10	27	29 +	= 30
6	5 +	= 10	28	3 +	= 10
7	1 +	= 10	29	23 +	= 30
8	2 +	= 10	30	33 +	= 30
9	3 +	= 10	31	2 +	= 10
10	4 +	= 10	32	12 +	= 20
11	0 +	= 10	33	22 +	= 30
12	5 +	= 10	34	32 +	= 40
13	15 +	= 20	35	37 +	= 40
14	9 +	= 10	36	34 +	= 40
15	19 +	= 20	37	35 +	= 40
16	8 +	= 10	38	39 +	= 40
17	18 +	= 20	39	+ 4	= 30
18	7 +	= 10	40	+ 9	= 20
19	17 +	= 20	41	+ 4	= 40
20	6 +	= 10	42	+ 7	= 20
21	16 +	= 20	43	+ 3	= 30
22	4 +	= 10	44	+ 9	= 40

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A # Correct _____

Add or subtract.

1	8 + 3 =		23	15 - 6 =	
2	3 + 8 =		24	15 - 9 =	
3	11 - 3 =		25	8 + 7 =	
4	11 - 8 =		26	7 + 8 =	
5	7 + 4 =		27	15 - 7 =	
6	4 + 7 =		28	15 - 8 =	
7	11 - 4 =		29	9 + 4 =	
8	11 - 7 =		30	4 + 9 =	
9	9 + 3 =		31	13 - 4 =	
10	3 + 9 =		32	13 - 9 =	
11	12 - 3 =		33	8 + 6 =	
12	12 - 9 =		34	6 + 8 =	
13	8 + 5 =		35	14 - 6 =	
14	5 + 8 =		36	14 - 8 =	
15	13 - 5 =		37	7 + 6 =	
16	13 - 8 =		38	6 + 7 =	
17	7 + 5 =		39	13 - 6 =	
18	5 + 7 =		40	13 - 7 =	
19	12 - 5 =		41	9 + 7 =	
20	12 - 7 =		42	7 + 9 =	
21	9 + 6 =		43	16 - 7 =	
22	6 + 9 =		44	16 - 9 =	

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B Improvement _____ # Correct _____

Add or subtract.

1	9 + 2 =		23	15 - 7 =	
2	2 + 9 =		24	15 - 8 =	
3	11 - 2 =		25	9 + 6 =	
4	11 - 9 =		26	6 + 9 =	
5	6 + 5 =		27	15 - 6 =	
6	5 + 6 =		28	15 - 9 =	
7	11 - 5 =		29	7 + 5 =	
8	11 - 6 =		30	5 + 7 =	
9	8 + 4 =		31	12 - 5 =	
10	4 + 8 =		32	12 - 7 =	
11	12 - 4 =		33	9 + 5 =	
12	12 - 8 =		34	5 + 9 =	
13	7 + 6 =		35	14 - 5 =	
14	6 + 7 =		36	14 - 9 =	
15	13 - 6 =		37	8 + 6 =	
16	13 - 7 =		38	6 + 8 =	
17	9 + 3 =		39	14 - 6 =	
18	3 + 9 =		40	14 - 8 =	
19	12 - 3 =		41	9 + 8 =	
20	12 - 9 =		42	8 + 9 =	
21	8 + 7 =		43	17 - 8 =	
22	7 + 8 =		44	17 - 9 =	

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A # Correct _____

Circle the longer length.

1	1 cm	0 cm	23	110 cm	101 cm
2	11 cm	10 cm	24	110 cm	1 m
3	11 cm	12 cm	25	1 m	111 cm
4	22 cm	12 cm	26	101 cm	1 m
5	29 cm	30 cm	27	111 cm	101 cm
6	31 cm	13 cm	28	112 cm	102 cm
7	43 cm	33 cm	29	110 cm	115 cm
8	33 cm	23 cm	30	115 cm	105 cm
9	35 cm	53 cm	31	106 cm	116 cm
10	50 cm	35 cm	32	108 cm	98 cm
11	55 cm	45 cm	33	119 cm	99 cm
12	50 cm	55 cm	34	131 cm	133 cm
13	65 cm	56 cm	35	133 cm	113 cm
14	66 cm	56 cm	36	142 cm	124 cm
15	66 cm	86 cm	37	144 cm	114 cm
16	86 cm	68 m	38	154 cm	145 cm
17	68 cm	88 cm	39	155 cm	152 cm
18	89 cm	98 cm	40	198 cm	199 cm
19	99 cm	98 m	41	215 cm	225 cm
20	99 cm	1 m	42	252 cm	255 cm
21	1 m	101 cm	43	2 m	295 cm
22	1 m	90 cm	44	3 m	295 cm

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B Improvement _____ # Correct _____

Circle the longer length.

1	0 cm	1 cm	23	111 cm	101 cm
2	10 cm	12 cm	24	101 cm	110 cm
3	12 cm	11 cm	25	1 m	110 cm
4	32 cm	13 cm	26	111 cm	1 m
5	39 cm	40 cm	27	113 cm	117 cm
6	41 cm	14 cm	28	112 cm	111 cm
7	44 cm	40 cm	29	115 cm	105 cm
8	44 cm	54 cm	30	106 cm	116 cm
9	55 cm	65 cm	31	107 cm	117 cm
10	60 cm	59 cm	32	118 cm	108 cm
11	65 cm	45 cm	33	119 cm	120 cm
12	70 cm	65 cm	34	132 cm	123 cm
13	75 cm	57 cm	35	133 cm	132 cm
14	77 cm	76 cm	36	143 cm	134 cm
15	87 cm	78 cm	37	144 cm	114 cm
16	79 cm	97 m	38	154 cm	145 cm
17	79 cm	88 cm	39	155 cm	152 cm
18	98 cm	97 cm	40	195 cm	199 cm
19	99 cm	1 m	41	225 cm	152 cm
20	99 cm	100 cm	42	252 cm	255 cm
21	101 cm	100 cm	43	2 m	295 cm
22	1 m	101 cm	44	3 m	295 cm

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A # Correct _____

Subtract.

1	3 - 1 =		23	8 - 7 =	
2	13 - 1 =		24	18 - 7 =	
3	23 - 1 =		25	58 - 7 =	
4	53 - 1 =		26	62 - 2 =	
5	4 - 2 =		27	9 - 8 =	
6	14 - 2 =		28	19 - 8 =	
7	24 - 2 =		29	29 - 8 =	
8	64 - 2 =		30	69 - 8 =	
9	4 - 3 =		31	7 - 3 =	
10	14 - 3 =		32	17 - 3 =	
11	24 - 3 =		33	77 - 3 =	
12	74 - 3 =		34	59 - 9 =	
13	6 - 4 =		35	9 - 7 =	
14	16 - 4 =		36	19 - 7 =	
15	26 - 4 =		37	89 - 7 =	
16	96 - 4 =		38	99 - 5 =	
17	7 - 5 =		39	78 - 6 =	
18	17 - 5 =		40	58 - 5 =	
19	27 - 5 =		41	39 - 7 =	
20	47 - 5 =		42	28 - 6 =	
21	43 - 3 =		43	49 - 4 =	
22	87 - 7 =		44	67 - 4 =	

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B Improvement _____ # Correct _____

Subtract.

1	2 - 1 =		23	8 - 7 =	
2	12 - 1 =		24	18 - 7 =	
3	22 - 1 =		25	68 - 7 =	
4	52 - 1 =		26	32 - 2 =	
5	5 - 2 =		27	9 - 8 =	
6	15 - 2 =		28	19 - 8 =	
7	25 - 2 =		29	29 - 8 =	
8	65 - 2 =		30	79 - 8 =	
9	4 - 3 =		31	8 - 4 =	
10	14 - 3 =		32	18 - 4 =	
11	24 - 3 =		33	78 - 4 =	
12	84 - 3 =		34	89 - 9 =	
13	7 - 4 =		35	9 - 7 =	
14	17 - 4 =		36	19 - 7 =	
15	27 - 4 =		37	79 - 7 =	
16	97 - 4 =		38	89 - 5 =	
17	6 - 5 =		39	68 - 6 =	
18	16 - 5 =		40	48 - 5 =	
19	26 - 5 =		41	29 - 7 =	
20	46 - 5 =		42	38 - 6 =	
21	23 - 3 =		43	59 - 4 =	
22	67 - 7 =		44	77 - 4 =	

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A # Correct _____

Find the missing length to make 1 meter.

1	10 cm + _____ = 100 cm	23	_____ + 62 cm = 1 m
2	30 cm + _____ = 100 cm	24	_____ + 72 cm = 1 m
3	50 cm + _____ = 100 cm	25	_____ + 92 cm = 1 m
4	70 cm + _____ = 100 cm	26	_____ + 29 cm = 1 m
5	90 cm + _____ = 100 cm	27	_____ + 39 cm = 1 m
6	80 cm + _____ = 100 cm	28	_____ + 59 cm = 1 m
7	60 cm + _____ = 100 cm	29	_____ + 89 cm = 1 m
8	40 cm + _____ = 100 cm	30	_____ + 88 cm = 1 m
9	20 cm + _____ = 100 cm	31	_____ + 68 cm = 1 m
10	21 cm + _____ = 100 cm	32	_____ + 18 cm = 1 m
11	23 cm + _____ = 100 cm	33	_____ + 15 cm = 1 m
12	25 cm + _____ = 100 cm	34	_____ + 55 cm = 1 m
13	27 cm + _____ = 100 cm	35	44 cm + _____ = 1m
14	37 cm + _____ = 100 cm	36	55 cm + _____ = 1 m
15	38 cm + _____ = 100 cm	37	88 cm + _____ = 1 m
16	39 cm + _____ = 100 cm	38	1 m = _____ + 33 cm
17	49 cm + _____ = 100 cm	39	1 m = _____ + 66 cm
18	50 cm + _____ = 100 cm	40	1 m = _____ + 99 cm
19	52 cm + _____ = 100 cm	41	1 m - 11 cm = _____
20	56 cm + _____ = 100 cm	42	1 m - 15 cm = _____
21	58 cm + _____ = 100 cm	43	1 m - 17 cm = _____
22	62 cm + _____ = 100 cm	44	1 m - 19 cm = _____

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B # Correct _____

Find the missing length to make 1 meter.

1	1 cm + _____ = 100 cm	23	_____ + 72 cm = 1 m
2	10 cm + _____ = 100 cm	24	_____ + 82 cm = 1 m
3	20 cm + _____ = 100 cm	25	_____ + 28 cm = 1 m
4	40 cm + _____ = 100 cm	26	_____ + 38 cm = 1 m
5	60 cm + _____ = 100 cm	27	_____ + 48 cm = 1 m
6	80 cm + _____ = 100 cm	28	_____ + 45 cm = 1 m
7	90 cm + _____ = 100 cm	29	_____ + 43 cm = 1 m
8	70 cm + _____ = 100 cm	30	_____ + 34 cm = 1 m
9	50 cm + _____ = 100 cm	31	_____ + 24 cm = 1 m
10	30 cm + _____ = 100 cm	32	_____ + 14 cm = 1 m
11	31 cm + _____ = 100 cm	33	_____ + 12 cm = 1 m
12	33 cm + _____ = 100 cm	34	_____ + 10 cm = 1 m
13	35 cm + _____ = 100 cm	35	11 cm + _____ = 1m
14	37 cm + _____ = 100 cm	36	33 cm + _____ = 1 m
15	39 cm + _____ = 100 cm	37	55 cm + _____ = 1 m
16	49 cm + _____ = 100 cm	38	1 m = _____ + 22 cm
17	59 cm + _____ = 100 cm	39	1 m = _____ + 88 cm
18	60 cm + _____ = 100 cm	40	1 m = _____ + 99 cm
19	62 cm + _____ = 100 cm	41	1 m - 1 cm = _____
20	66 cm + _____ = 100 cm	42	1 m - 5 cm = _____
21	68 cm + _____ = 100 cm	43	1 m - 7 cm = _____
22	72 cm + _____ = 100 cm	44	1 m - 17 cm = _____

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A # Correct _____

Subtract.

1	53 - 2 =		23	84 - 40 =	
2	65 - 3 =		24	80 - 50 =	
3	77 - 4 =		25	86 - 50 =	
4	89 - 5 =		26	70 - 60 =	
5	99 - 6 =		27	77 - 60 =	
6	28 - 7 =		28	80 - 70 =	
7	39 - 8 =		29	88 - 70 =	
8	31 - 2 =		30	48 - 4 =	
9	41 - 3 =		31	80 - 40 =	
10	51 - 4 =		32	81 - 40 =	
11	61 - 5 =		33	46 - 3 =	
12	30 - 9 =		34	60 - 30 =	
13	40 - 8 =		35	68 - 30 =	
14	50 - 7 =		36	67 - 4 =	
15	60 - 6 =		37	67 - 40 =	
16	40 - 30 =		38	89 - 6 =	
17	41 - 30 =		39	89 - 60 =	
18	40 - 20 =		40	76 - 2 =	
19	42 - 20 =		41	76 - 20 =	
20	80 - 50 =		42	54 - 6 =	
21	85 - 50 =		43	65 - 8 =	
22	80 - 40 =		44	87 - 9 =	

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B Improvement _____ # Correct _____

Subtract.

1	43 - 2 =		23	94 - 50 -	
2	55 - 3 =		24	90 - 60 -	
3	67 - 4 =		25	96 - 60 =	
4	79 - 5 =		26	80 - 70 =	
5	89 - 6 =		27	87 - 70 =	
6	98 - 7 =		28	90 - 80 =	
7	29 - 8 =		29	98 - 80 =	
8	21 - 2 =		30	39 - 4 =	
9	31 - 3 =		31	90 - 40 =	
10	41 - 4 =		32	91 - 40 =	
11	51 - 5 =		33	47 - 3 =	
12	20 - 9 =		34	70 - 30 =	
13	30 - 8 =		35	78 - 30 =	
14	40 - 7 =		36	68 - 4 =	
15	50 - 6 =		37	68 - 40 =	
16	30 - 20 =		38	89 - 7 =	
17	31 - 20 =		39	89 - 70 =	
18	50 - 30 =		40	56 - 2 =	
19	52 - 30 =		41	56 - 20 =	
20	70 - 40 =		42	34 - 6 =	
21	75 - 40 =		43	45 - 8 =	
22	90 - 50 =		44	57 - 9 =	

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