Choosing the Better Metric Unit of Length

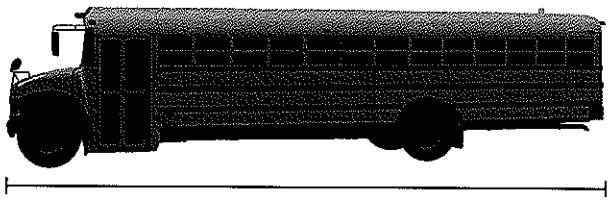
Name _____ Class _____ Date _____

Get Started

Benchmarks for Measuring Metric Lengths	
	
about 1 centimeter	about 1 meter

1 

_____

2 

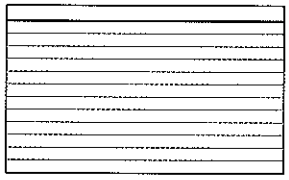
_____

How To

Choose the better unit to measure the length of an index card.

Step 1

Compare the length of the card with each benchmark.



Think: Which benchmark is not too long or too short?

Step 2

Choose the better unit of measure.

Measure the length of the index card in

_____.

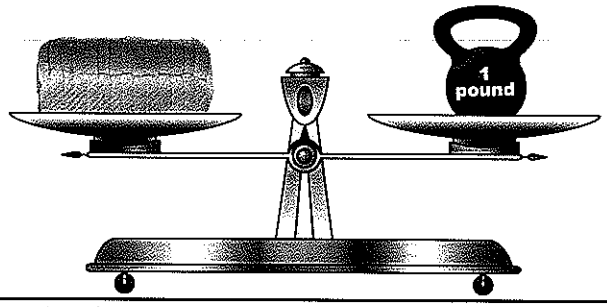
New Vocabulary
pound
weight

Weight in Pounds

Name _____ Class _____ Date _____

Get Started

Benchmark for Measuring Customary Weight



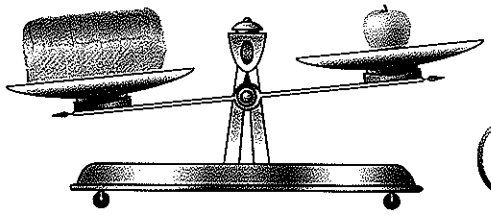
A loaf of bread weighs about 1 pound.

How To

Estimate the weight of _____.

Step 1

Put the benchmark on one side of the scale. Put the object to be weighed on the other side.



Think: Which side of the scale is lower?

Step 2

Decide which weighs more, the object or the benchmark.

The object is closer to the bottom. The object is **heavier** than 1 pound.

OR

The benchmark is closer to the bottom. The object is **lighter** than 1 pound.

The _____ is _____ than 1 pound.

New Vocabulary
kilogram
mass

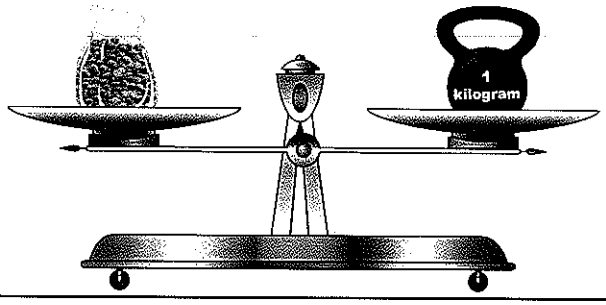
Lesson 7

Mass in Kilograms

Name _____ Class _____ Date _____

Get Started

Benchmark for Measuring Metric Mass



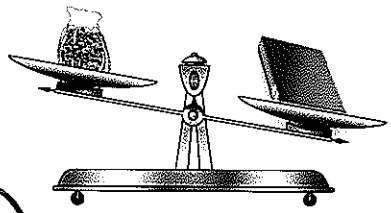
The mass of a bag of beans is about 1 kilogram.

How To

Estimate the mass of _____.

Step 1

Put the benchmark on one side of the scale.
Put the object to be compared on the other side.



Think: Which side of the scale is lower?

Step 2

Decide which has more mass, the object or the benchmark.

The object is closer to the bottom. The mass of the object is **more than** 1 kilogram.

OR

The benchmark is closer to the bottom. The mass of the object is **less than** 1 kilogram.

The mass of the _____ is _____ than 1 kilogram.

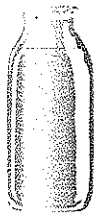
New Vocabulary
cup quart
pint capacity

Measuring Capacity with Cups, Pints, and Quarts

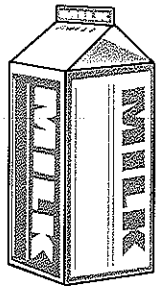
Name _____ Class _____ Date _____

Get Started

1



cup



pint

quart

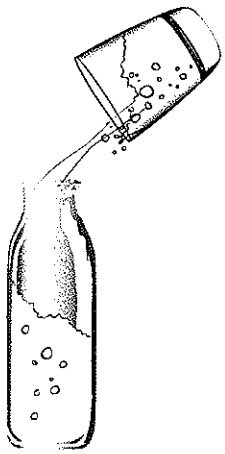
How To

Find how cups, pints, and quarts are related.

Step 1

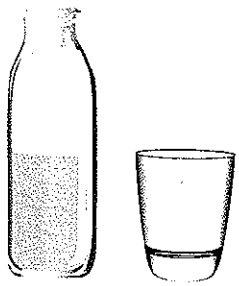
Fill the smaller container with water. Pour the water into the larger container.

Think: Which container is the smallest?



Step 2

Repeat Step 1 until the larger container is full. Count the number of times it takes to fill the container.



Step 3

Complete each statement.

1 pint = _____ cups

1 quart = _____ pints

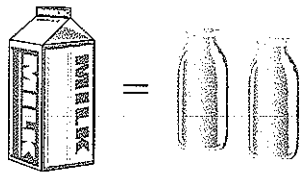
1 quart = _____ cups

Problem-Solving: Using a Table

Name _____ Class _____ Date _____

Get Started

1  = _____ cups

2  = _____ pints

How To

Sam has 4 pints of juice. He wants to know how many cups of juice he has. How many cups are in 4 pints?

Step 1 **Find:** the number of cups in 4 pints

Step 2 **How?** Use a table.

Think: How many cups are in a pint?

Step 3 **Solve.** Complete the table.

Pints	1	2	3	4
Cups				

Pattern: Add _____ to the number of cups.

There are _____ cups in 4 pints.

Step 4 **Does my answer make sense? Explain.**

_____

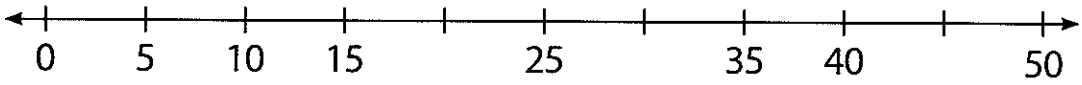
_____

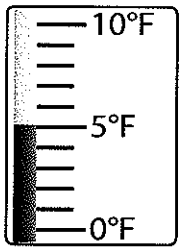
New Vocabulary
thermometer
temperature
degrees Fahrenheit (°F)

Reading a Thermometer

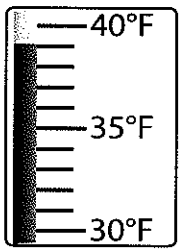
Name _____ Class _____ Date _____

Get Started

1. 

2. 

_____ °F

3. 

_____ °F

How To

Which temperature better matches the picture?

Step 1

Look at the picture.
Is it a hot day or
cold day?

_____

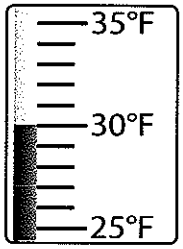
Step 2

Read each thermometer.

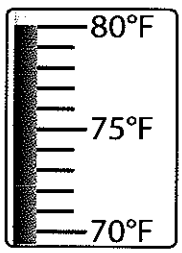
Step 3

Draw a ring around the correct thermometer.

Think: Does the thermometer show that it is hot or cold out?



_____ °F



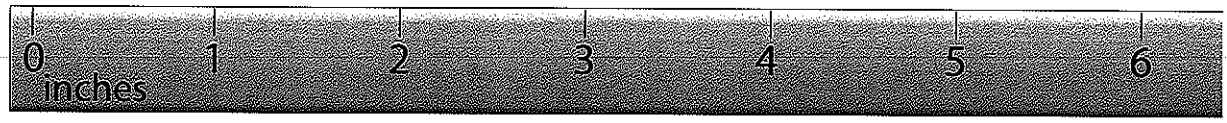
_____ °F

Problem-Solving: How Many Pieces Can I Make?

Name _____ Class _____ Date _____

Get Started

1



_____ inches

How To

Kara has 12 inches of ribbon. She needs 6 inches of ribbon for a hair tie. How many hair ties can Kara make?

Step 1

Find: the number of hair ties Kara can make

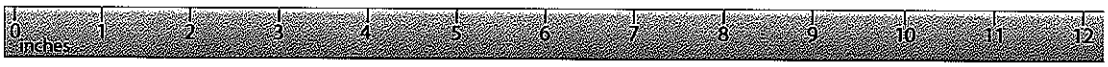
Step 2

How? Make a model with string and a ruler.

Think: Are all the pieces the same size?

Step 3

Solve.



Kara can make _____ hair ties.

Step 4

Does my answer make sense? Explain.

_____

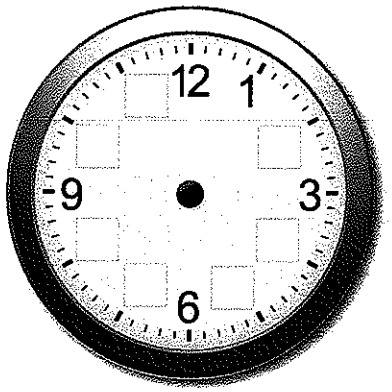
_____

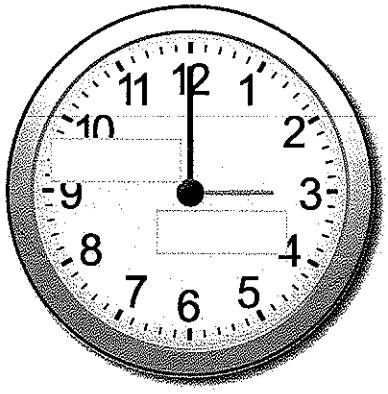
New Vocabulary
hour hand
minute hand

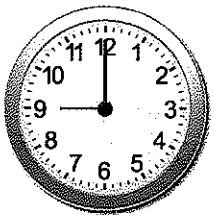
Telling Time to the Hour and Half Hour

Name _____ Class _____ Date _____

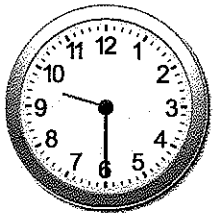
Get Started

1. 

2. 

3. 

:00

4. 

:30

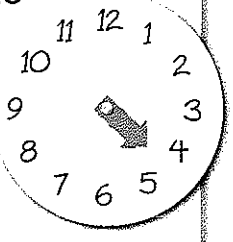
How To

Show 4:30 on a clock.

Step 1

Move the hour hand to between 4 and 5.

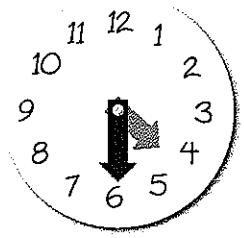
Think: Is the hour hand the long hand or the short hand?



:

Step 2

Move the minute hand to 6.



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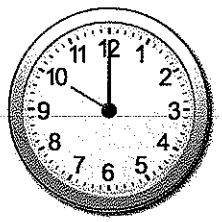
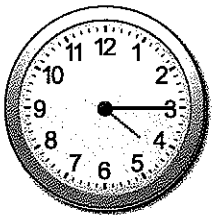
Telling Time to 15 Minutes

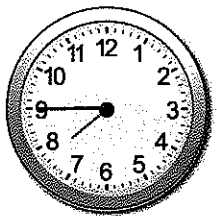
Name _____ Class _____ Date _____

Get Started

1  :

2 5, 10, 15, _____, _____, _____, 35, _____, 45, _____, _____

3  :

4  :

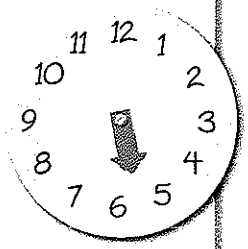
How To

Show 5:45.

Step 1

Move the hour hand to between 5 and 6.

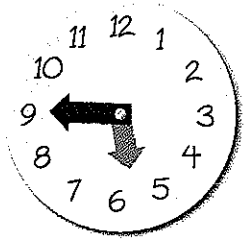
Think: Where does the hour hand go?



:

Step 2

Move the minute hand to 9.



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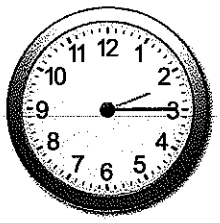
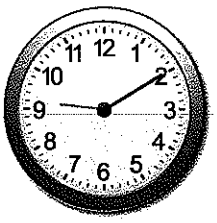
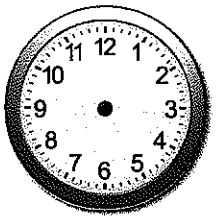
Telling Time to 5 Minutes

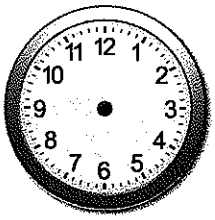
Name _____ Class _____ Date _____

Get Started

1  :

2  :

3 2:30 

4 12:45 

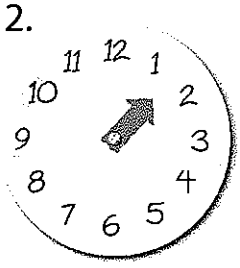
How To

Show 1:20.

Step 1

Move the hour hand to between 1 and 2.

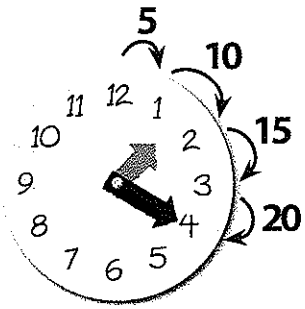
Think: Is 1:20 before or after 1:00?



:

Step 2

Count by 5 to 20. Move the minute hand to 4.



:

New Vocabulary
day
date
month
week

Reading and Using a Calendar

Name _____ Class _____ Date _____

Get Started

1

September						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

_____ _____ _____ _____

2 Which day of the week is the third? _____

3 What is the date of the fourth Wednesday? _____

4 What is the date one week after September 14? _____

How To

Use the calendar in problem 1. What are the date and day 1 week before September 16?

Step 1 Find September 16 on the calendar.

Step 2 Count back 1 week.

Think: Will the day of the week be the same?

Step 3 Write the date. _____

Step 4 Write the day. _____

New Vocabulary
elapsed time

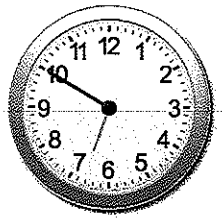
Lesson 5

Elapsed Time

Name _____ Class _____ Date _____

Get Started

1



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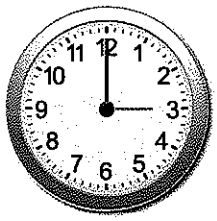
2 Joe started a project at 3:00. It took him 20 minutes. At what time did he stop?



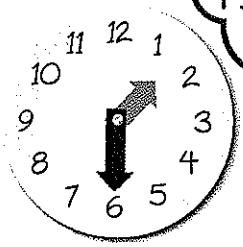
:

How To

Jen started to read at 1:30. She read for 15 minutes. At what time did she stop?

Step 1

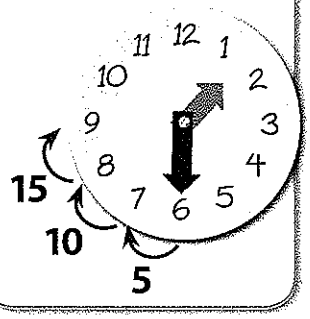
Show 1:30.



Think: How do I set my clock to show 1:30?

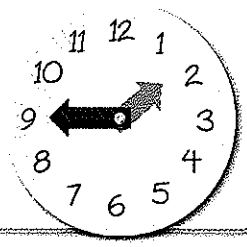
Step 2

Count by 5 to 15.



Step 3

Move the minute hand to 9.



At what time did Jen stop reading? :

New Vocabulary
penny
dime
cent sign (¢)

Dimes and Pennies

Name _____ Class _____ Date _____

Get Started

1.  _____ _____

 _____ _____

2. 10, 20, _____, _____, 50, 60, _____, _____, 90, 100

3.    

_____, _____, _____, _____

4.      

_____, _____, _____, _____, _____, _____

How To

Find the value of 4 dimes and 2 pennies.

Step 1 Count by 10.

Think: Do I start with dimes or pennies?

Step 2 Count on by 1.

_____, _____, _____, _____, _____, _____

The value of 4 dimes and 2 pennies is _____.

New Vocabulary
nickel
quarter

Quarters, Dimes, and Nickels

Name _____ Class _____ Date _____

Get Started

1


_____ _____

_____ _____

2

1	2	3	4	5	6	7	8	9	10
11	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	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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

25, _____, _____, 100

3



_____, _____, _____

4


_____, _____

How To

Find the value of 2 quarters, 3 dimes, and 1 nickel.

Step 1 Count by 25.

Think: Which coin do I start with?

Step 2 Count on by 10.

Step 3 Count on by 5.






_____, _____, _____, _____, _____, _____

The value of 2 quarters, 3 dimes, and 1 nickel is _____.

Groups of Coins with the Same Value

Name _____ Class _____ Date _____

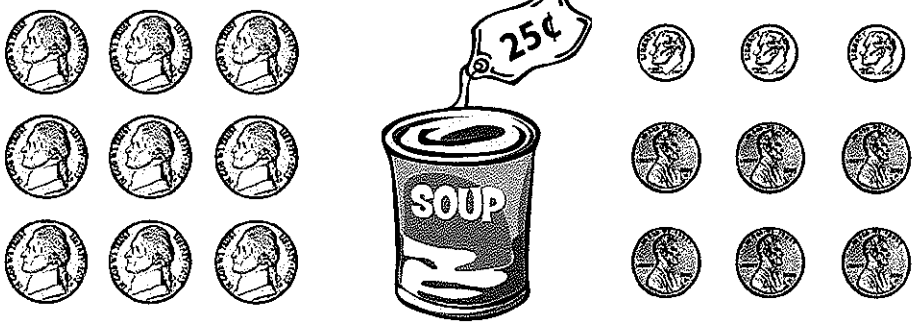
Get Started

1 

_____

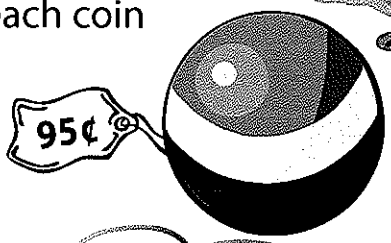
2 

_____

3 

How To

Barry has quarters and dimes. How many of each coin could he use to buy the ball?



 _____  _____

Step 1

Tell how many quarters.

The value of the quarters is _____.

Think: Do I start with the coin of greater or lesser value?

Step 2

Tell how many dimes.

The value of the quarters and dimes is _____.