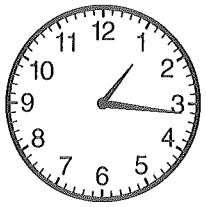
Name _____

Time to the Minute

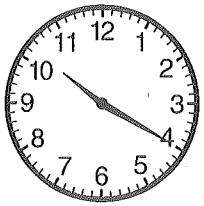
COMMON CORE STANDARD CC.3.MD.1

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

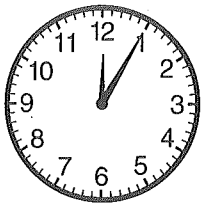
Write the time. Write one way you can read the time.

1. 

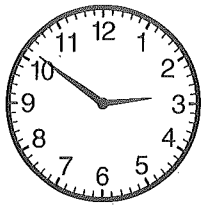
1:16; sixteen minutes after one

2. 

3. 

4. 

5. 

6. 

Write the time another way.

7. 23 minutes after 4

8. 18 minutes before 11

9. 10 minutes before 9

10. 7 minutes after 1

Problem Solving REAL WORLD

11. What time is it when the hour hand is a little past the 3 and the minute hand is pointing to the 3?

12. Pete began practicing at twenty-five minutes before eight. What is another way to write this time?

Name _____

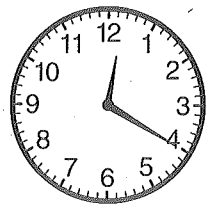
A.M. and P.M.

COMMON CORE STANDARD CC.3.MD.1

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

Write the time for the activity. Use A.M. or P.M.

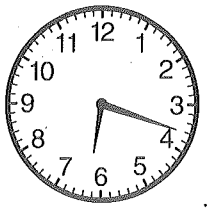
1. eat lunch



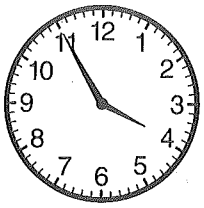
12:20 P.M.

2. go home after school

3. see the sunrise

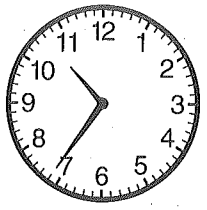


4. go for a walk



5. go to school

6. get ready for art class



Write the time. Use A.M. or P.M.

7. 13 minutes after 5:00 in the morning

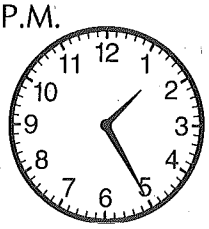
8. 19 minutes before 9:00 at night

9. quarter before midnight

10. one-half hour after 4:00 in the morning

Problem Solving REAL WORLD

11. Jaime is in math class. What time is it? Use A.M. or P.M.



12. Pete began practicing his trumpet at fifteen minutes past three. Write this time using A.M. or P.M.

Name _____

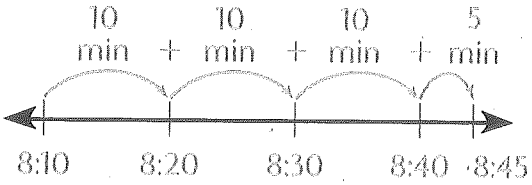
Measure Time Intervals

COMMON CORE STANDARD CC.3.MD.1

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

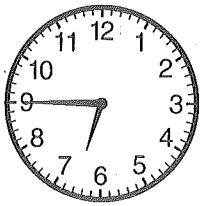
Find the elapsed time.

1. Start: 8:10 A.M. End: 8:45 A.M.

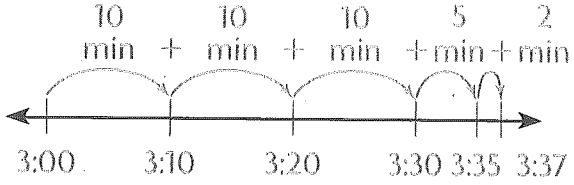


35 minutes

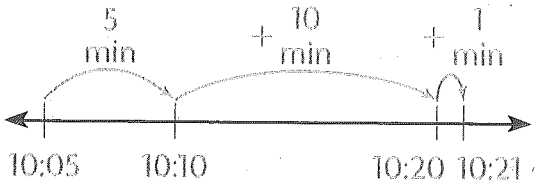
2. Start: 6:45 P.M. End: 6:54 P.M.



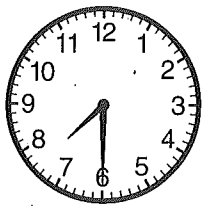
3. Start: 3:00 P.M. End: 3:37 P.M.



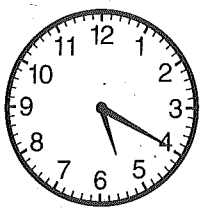
4. Start: 10:05 A.M. End: 10:21 A.M.



5. Start: 7:30 A.M. End: 7:53 A.M.



6. Start: 5:20 A.M. End: 5:47 A.M.



Problem Solving REAL WORLD

7. A show at the museum starts at 7:40 P.M. and ends at 7:57 P.M. How long is the show?

8. The first train leaves the station at 6:15 A.M. The second train leaves at 6:55 A.M. How much later does the second train leave the station?

Name _____

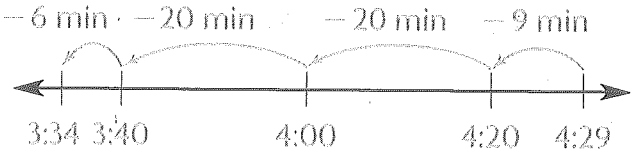
Use Time Intervals

COMMON CORE STANDARD CC.3.MD.1

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

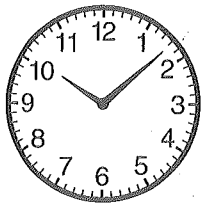
Find the starting time.

1. Ending time: 4:29 P.M.
   Elapsed time: 55 minutes



3:34 P.M.

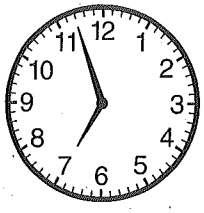
2. Ending time: 10:08 A.M.
   Elapsed time: 30 minutes



Find the ending time.

3. Starting time: 2:15 A.M.
   Elapsed time: 45 minutes

4. Starting time: 6:57 P.M.
   Elapsed time: 47 minutes



Problem Solving REAL WORLD

5. Jenny spent 35 minutes doing research on the Internet. She finished at 7:10 P.M. At what time did Jenny start her research?

6. Clark left for school at 7:43 A.M. He got to school 36 minutes later. At what time did Clark get to school?

Name _____

Problem Solving • Time Intervals

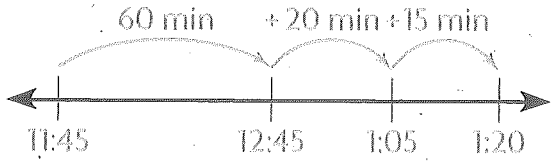
PROBLEM SOLVING
Lesson 10.5

COMMON CORE STANDARD CC.3.MD.1

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

Solve each problem. Show your work.

1. Hannah wants to meet her friends downtown. Before leaving home, she does chores for 60 minutes and eats lunch for 20 minutes. The walk downtown takes 15 minutes. Hannah starts her chores at 11:45 A.M. At what time does she meet her friends?



1:20 P.M.

2. Katie practiced the flute for 45 minutes. Then she ate a snack for 15 minutes. Next, she watched television for 30 minutes, until 6:00 P.M. At what time did Katie start practicing the flute?

_____

3. Nick gets out of school at 2:25 P.M. He has a 15-minute ride home on the bus. Next, he goes on a 30-minute bike ride. Then he spends 55 minutes doing homework. At what time does Nick finish his homework?

_____

4. The third-grade class is going on a field trip by bus to the museum. The bus leaves the school at 9:45 A.M. The bus ride takes 47 minutes. At what time does the bus arrive at the museum?

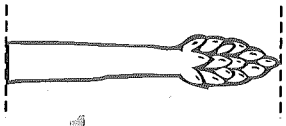
_____

Name _____

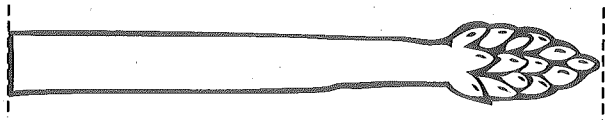
Measure Length

COMMON CORE STANDARD CC.3.MD.4
Represent and interpret data.

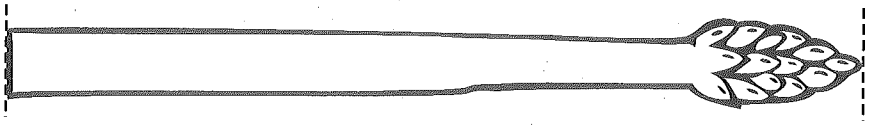
Measure the length to the nearest half inch.

1. 

$1\frac{1}{2}$ inches

2. 

_____ inches

3. 

_____ inches

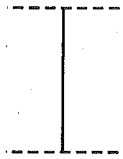
Measure the length to the nearest fourth inch.

4. 

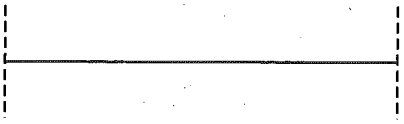
_____ inches

5. 

_____ inches

6. 

_____ inch

7. 

_____ inches

Problem Solving REAL WORLD

Use a separate sheet of paper for 8.

8. Draw 8 lines that are between 1 inch and 3 inches long. Measure each line to the nearest fourth inch, and make a line plot.

9. The tail on Alex's dog is $5\frac{1}{4}$ inches long. This length is between which two inch-marks on a ruler?

Name _____

Estimate and Measure Liquid Volume

COMMON CORE STANDARD CC.3.MD.2

Solve problems involving measurement and estimation of intervals of time, liquid measures, and masses of objects.

Estimate how much liquid volume there will be when the container is filled. Write *more than 1 liter, about 1 liter,* or *less than 1 liter.*

1. large milk container

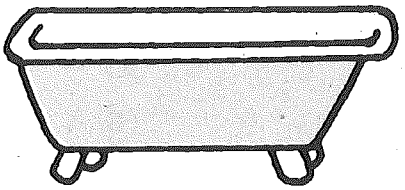
more than 1 liter

2. small milk container

3. water bottle

4. spoonful of water

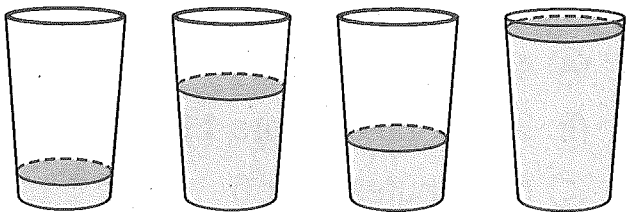
5. bathtub filled halfway



6. filled eyedropper

Problem Solving REAL WORLD

Use the pictures for 7–8. Alan pours water into four glasses that are the same size.



7. Which glass has the most amount of water? _____

8. Which glass has the least amount of water? _____

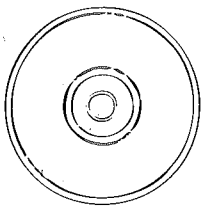
Name _____

Estimate and Measure Mass

COMMON CORE STANDARD CC.3.MD.2
Solve problems involving measurement and intervals of time, liquid volumes, and masses of objects.

Choose the unit you would use to measure the mass. Write *gram* or *kilogram*.

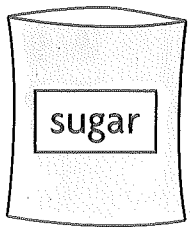
1. CD



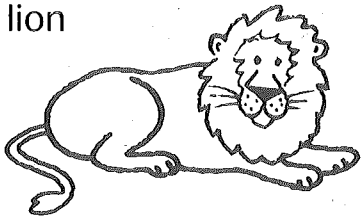
gram

2. boy

3. bag of sugar



4. lion

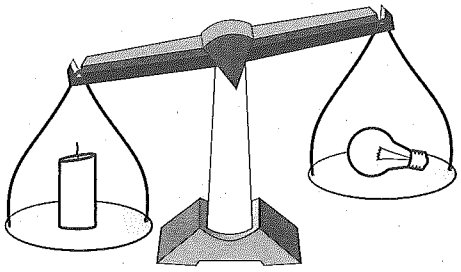


5. paper clip

6. empty plastic bottle

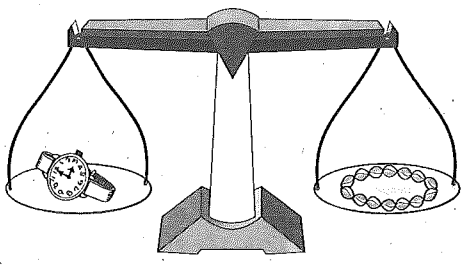
Compare the masses of the objects. Write *is less than*, *is the same as*, or *is more than*.

7.



The mass of the candle _____ the mass of the light bulb.

8.



The mass of the watch _____ the mass of the necklace.

Problem Solving REAL WORLD

9. A red ball has a mass that is less than 1 kilogram. A blue ball has a mass of 1 kilogram. Is the mass of the blue ball more than or less than the mass of the red ball?

_____

10. Brock's dog is a collie. To find the mass of his dog, should Brock use *grams* or *kilograms*?

_____

Name _____

Solve Problems About Liquid Volume and Mass

COMMON CORE STANDARD CC.3.MD.2

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

Write an equation and solve the problem.

1. Luis was served 145 grams of meat and 217 grams of vegetables at a meal. What was the total mass of the meat and the vegetables?

   Think: Add to find how much in all.

   145 ⊕ 217 = ____ ____

2. The gas tank of a riding mower holds 5 liters of gas. How many 5-liter gas tanks can you fill from a full 20-liter gas can?

   ____ ◯ ____ = ____ ____

3. To make a lemon-lime drink, Mac mixed 4 liters of lemonade with 2 liters of limeade. How much lemon-lime drink did Mac make?

   ____ ◯ ____ = ____ ____

4. A nickel has a mass of 5 grams. There are 40 nickels in a roll of nickels. What is the mass of a roll of nickels?

   ____ ◯ ____ = ____ ____

5. Four families share a basket of 16 kilograms of apples equally. How many kilograms of apples does each family get?

   ____ ◯ ____ = ____ ____

6. For a party, Julia made 12 liters of fruit punch. There were 3 liters of fruit punch left after the party. How much fruit punch did the people drink at the party?

   ____ ◯ ____ = ____ ____

Problem Solving REAL WORLD

7. Zoe's fish tank holds 27 liters of water. She uses a 3-liter container to fill the tank. How many times does she have to fill the 3-liter container in order to fill her fish tank?

   _____

8. Adrian's backpack has a mass of 15 kilograms. Theresa's backpack has a mass of 8 kilograms. What is the total mass of both backpacks?

   _____

Name _____

COMMON CORE STANDARDS CC.3.MD.1, CC.3.MD.2, CC.3.MD.4

Chapter 10 Extra Practice

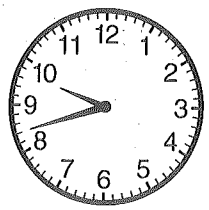
Lessons 10.1 - 10.2

Write the time. Write one way you can read the time.

1. 

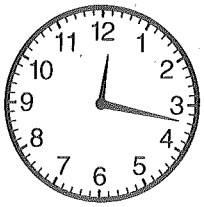
_____

_____

2. 

_____

_____

3. 

_____

_____

Write the time. Use A.M. or P.M.

1. 30 minutes past noon

_____

2. 14 minutes before 7:00 in the morning

_____

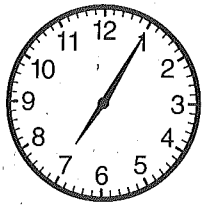
Lesson 10.3

Find the elapsed time.

1. Start: 10:10 P.M. End: 10:45 P.M.

_____

2. Start: 7:05 A.M. End: 7:33 A.M.



_____

Lessons 10.4 - 10.5

1. Delia spent 45 minutes working on her book report. She finished the report at 6:10 P.M. At what time did Delia start working on her report?

_____

2. Lucas leaves school at 3:05 P.M. The bus ride home takes 25 minutes. Then it takes Lucas 15 minutes to ride his bike to soccer practice. At what time does Lucas get to soccer practice?

_____