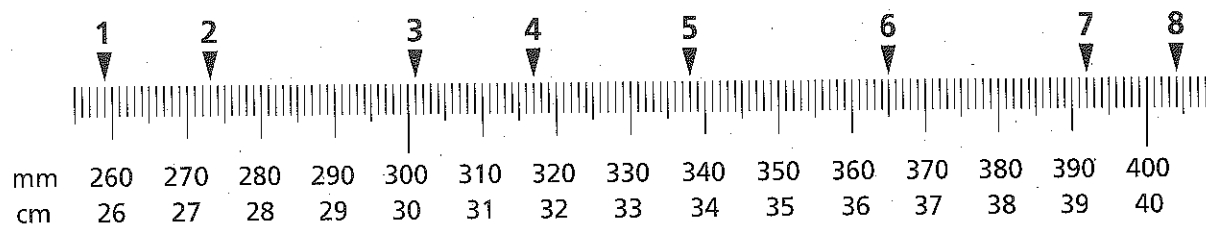


Homework

Write each measurement in millimeters (mm). Round the measurement to the nearest centimeter (cm).



1. _____ mm rounds to _____ cm
2. _____ mm rounds to _____ cm
3. _____ mm rounds to _____ cm
4. _____ mm rounds to _____ cm
5. _____ mm rounds to _____ cm
6. _____ mm rounds to _____ cm
7. _____ mm rounds to _____ cm
8. _____ mm rounds to _____ cm

Write a number sentence to answer each question.

9. How many meters are equal to 7 kilometers?

10. How many centimeters are equal to 4 meters?

11. How many millimeters are equal to 15 centimeters?

12. How many millimeters are equal to 12 meters?

13. How many centimeters are equal to 2 kilometers?

Solve.

Show your work.

14. Chester has a ribbon that is 2 meters long. He wants to cut it into 5 equal pieces. How many centimeters long will each piece be?

Homework**Complete.**

1. How many milliliters are equal to 3 L?

2. How many milliliters are equal to 35 L?

3. How many grams are in 40 kg?

4. How many grams are in 5,000 kg?

Solve.*Show your work.*

5. Every morning for breakfast, Mika drinks 20 cL of orange juice. How many milliliters of orange juice does she drink each day?

6. Angie's puppy weighed 3 kg when she first got it. Two years later, it weighed 9 kg. How many grams did the puppy gain?

7. Write and solve two word problems: one that involves converting units of liquid volume and one that involves converting units of mass.

Homework

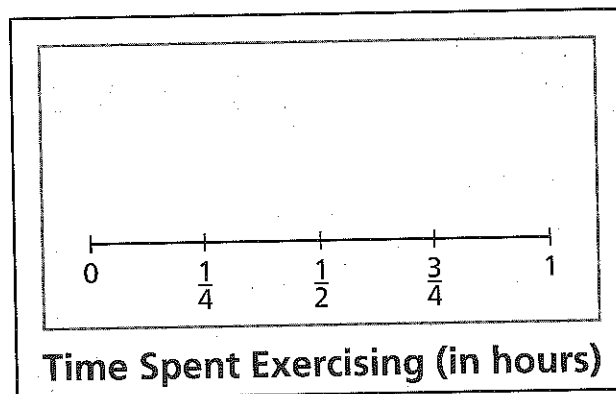
Convert each measurement.

1. 45 min = _____ sec
2. 2 hr = _____ min
3. 3 years = _____ weeks
4. 1 day = _____ min
5. 6 weeks = _____ days
6. 18 days = _____ hours

Complete the line plot. Answer the questions using the line plot.

7. Melissa asked her classmates how much time they spend each day exercising. The table shows the data Melissa collected. Complete the line plot using the data from the table.

Time	Number
0 hour	0
$\frac{1}{4}$ hour	4
$\frac{1}{2}$ hour	3
$\frac{3}{4}$ hour	6
1 hour	2



- a. How many more students exercised for $\frac{3}{4}$ hour than $\frac{1}{4}$ hour? _____
- b. How many students did Melissa ask about how much time they exercise? _____

Solve.

8. Donald takes the bus to work. The bus ride is 37 minutes long. Donald gets on the bus at 7:22. At what time does Donald get off the bus?

9. Kinesha started her homework at 6:15. She finished at 7:32. How long did it take Kinesha to do her homework?

Homework

Complete the tables.

1.

Yards	Inches
3	
6	
9	
12	

2.

Miles	Feet
2	
3	
4	
5	

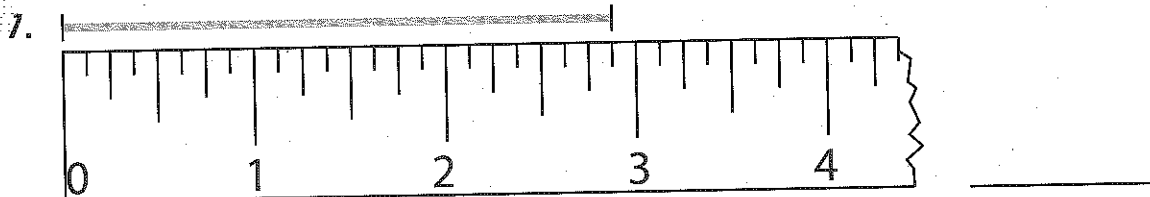
Solve.

3. 4 ft = _____ in.

4. 3 miles = _____ yards

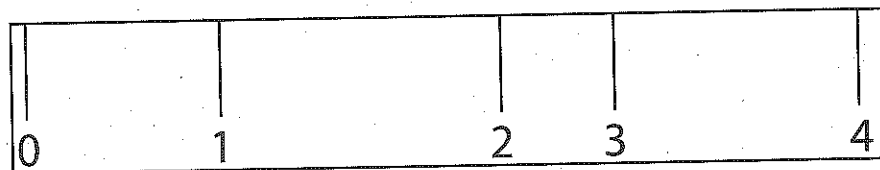
5. 11 yd = _____ ft

6. 26 ft = _____ in.

Write the measurement of the line segment to the nearest $\frac{1}{8}$ inch.

Solve.

8. Explain what is wrong with the ruler shown below.



Homework**Solve.***Show your work.*

1. A female rabbit gave birth to 6 babies. Each baby weighed 4 ounces. How many ounces did the babies weigh in all?

2. One watermelon weighs 128 ounces. Another weighs 112 ounces. Which watermelon is heavier? By how many ounces?

3. A box of cereal weighs 21 ounces. Does it weigh more or less than 1 pound? How much more or less?

4. Mark had 3 quarts of milk. How many pints of milk did Mark have?

5. Trevon's mom bought 3 gallons of fruit juice at the store. How many fluid ounces of fruit juice did Trevon's mom buy?

6. Marinda made a drink that contained 2 pints of apple juice, 3 pints of grape juice, and 2 pints of cranberry juice. How many pints of juice did Marinda make?

Homework

Find the area and perimeter for rectangles with the lengths and widths shown.

1. $l = 5$ units

$w = 6$ units

$A =$ _____

$P =$ _____

2. $l = 8$ units

$w = 4$ units

$A =$ _____

$P =$ _____

3. $l = 7$ units

$w = 5$ units

$A =$ _____

$P =$ _____

4. $l = 4$ units

$w = 7$ units

$A =$ _____

$P =$ _____

5. **Challenge** Using only whole numbers, make as many different rectangles as you can that have either the same area or the same perimeter as the rectangles in Exercises 1–4.

Solve each word problem. Show the formula you used to find the answer.

Show your work.

6. Enzo is building a dog run that measures 10 feet by 9 feet. How many feet of fencing does he need to fence in the area?

7. A sheet of construction paper is 9 inches long and 11 inches wide. How many 1-inch squares of paper can Dwayne cut out of one sheet of paper?

8. Mieke has a rug that is 6 feet long and 8 feet wide. Her room measures 9 feet each way. Will the rug fit in her room? How do you know?

Homework Solve.

Show Your Work.

1. Barbara has a rectangular shaped mouse pad. The longest side of the mouse pad is 8 inches and the shortest side is 3 inches. What is the perimeter and area of the mouse pad?
- _____

2. Yeasmin has a cup with 27 milliliters of milk in it. She pours another 34 milliliters of milk into the cup. She then drinks 14 milliliters of the milk. How much milk is left in the cup?
- _____

3. John's dog weighed 7 pounds when he got him. The dog's weight tripled each year for two years. How many ounces does John's dog now weigh?
- _____

4. The area of a rectangular shaped living room was 240 sq ft. The longest side of the room was 20 ft. What is the length of the small side of the room?
- _____

5. A grapefruit has a mass of 100 grams. A watermelon has a mass of 4 times the mass of the grapefruit. What is the mass of the watermelon, in centigrams?
- _____

6. Hannah ran 200 yards during recess. Juanita ran 340 yards during recess. In feet, how much further did Juanita run than Hannah?
- _____

7. The perimeter of the rectangular shaped building is 960 ft. The shortest side of the building is 150 ft. What is the length of one of the longest sides of the building?
- _____

Homework**Solve.***Show Your Work.*

1. Yonni has a 5 gallon fish tank. He needs to change the water in the fish tank. How many cups of water will Yonni need to replace all the water in the fish tank?
- _____

2. Barry is building a fence around his backyard. The backyard is in the shape of a rectangle and the longest side of the yard is 20 meters. The fence will have a perimeter of 60 meters. How many meters long is the short side of the backyard?
- _____

3. Yesi's dog weighed 5 pounds when she got him. He now weighs 45 pounds. How much weight did Yesi's dog gain, in ounces?
- _____

4. Fiona's family is replacing the carpet in their living room. The living room is in the shape of a square. The length of one wall is 16 feet. How many square feet of carpet does Fiona's family need to buy to replace their old carpet?
- _____

5. Trevon drew the two rectangles below. He wanted to know the difference between the areas of the two rectangles. What is the difference between the two areas?

