

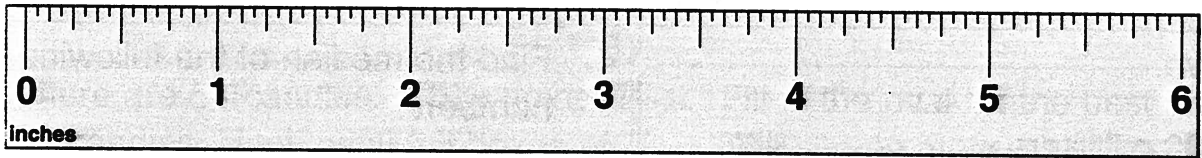
_____ 's

Unit 10

Study Guide

Test on _____

2. On the top edge of the ruler, make a dot at $3\frac{1}{2}$ inches. Label it *E*.



3. Make a dot at $4\frac{3}{4}$ in. Label it *F*.
4. Make a dot at $2\frac{7}{8}$ in. Label it *G*.
5. What is the distance from *E* to *F*? _____ in.
6. From *E* to *G*? _____ in.
7. From *F* to *G*? _____ in.

Complete.

8. 3 yd = _____ ft
9. 4 yd 1 ft = _____ ft
10. 1 ft 8 in. = _____ in.
11. 7 ft = _____ yd _____ ft

Use your favorite multiplication algorithm to solve the following problems.
Show your work.

1.

$$\begin{array}{r} 427 \\ \times 3 \\ \hline \end{array}$$

2.

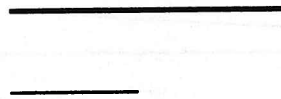
$$\begin{array}{r} 505 \\ \times 8 \\ \hline \end{array}$$

1. Circle any measurements in Column B that match the one in Column A.

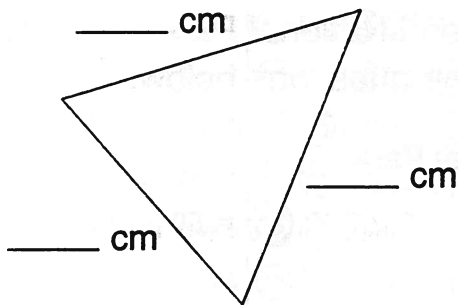
Column A	Column B
2 feet	12 in. 3 yd 24 in. 1 yd
3 feet	36 in. 1 m 1 yd 30 in.
2 yards	50 in. 72 in. 6 ft 9 ft



1. Measure the line segment to the nearest $\frac{1}{2}$ inch.



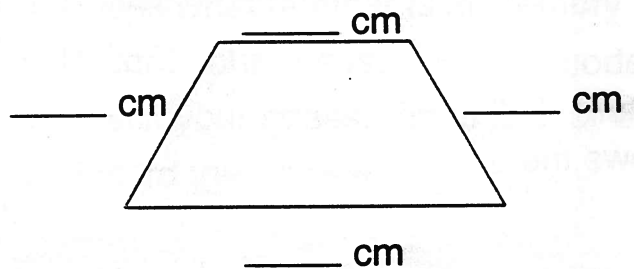
1. Measure each side of the triangle to the nearest centimeter.



Perimeter = _____ cm



1. Measure each side of the quadrangle to the nearest half-centimeter.



Another name for this quadrangle

is a _____.



5. There are 24 children in Mrs. Hiller's class. $\frac{1}{2}$ of the children play soccer. How many children play soccer?

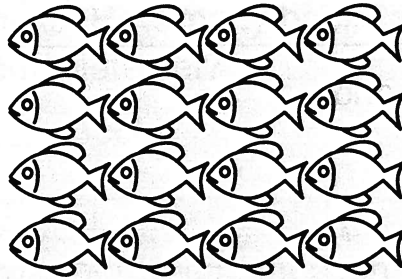
_____ children

- $\frac{1}{3}$ of the children play a musical instrument. How many children play a musical instrument?

_____ children



3. Jerry has 16 fish in a tank. Color $\frac{3}{8}$ of the fish red, $\frac{1}{4}$ of the fish blue, and the rest yellow. What fraction of the fish are yellow?



5. Weight in pounds of newborn babies: 11, 8, 8, 7, 6

The mean (average) weight is

_____ pounds.

The median weight is _____ pounds.



solve.

$$\begin{array}{r} 82 \\ \times 35 \\ \hline \end{array}$$

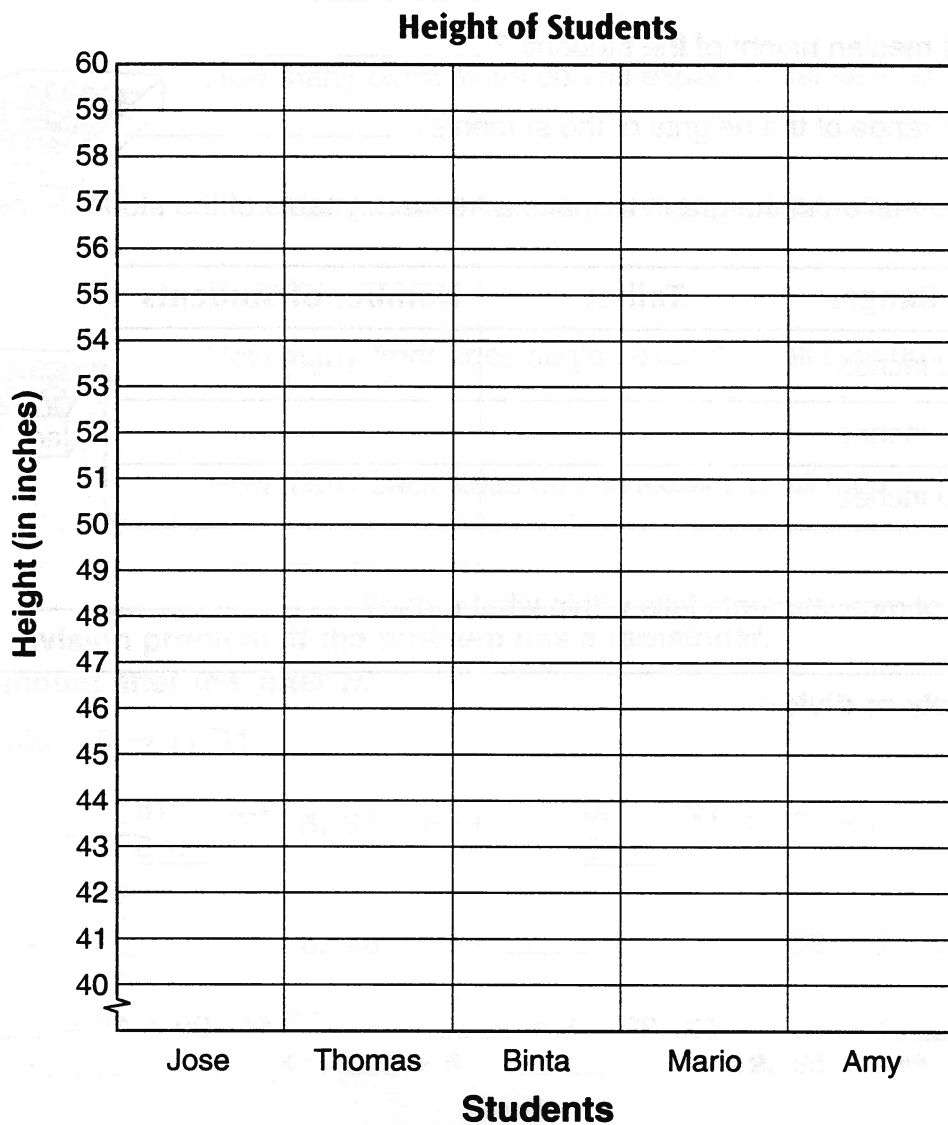
$$\begin{array}{r} 94 \\ \times 76 \\ \hline \end{array}$$



Five students recorded their heights. The data are below.

Student Names and Heights									
Jose	49 in.	Thomas	52 in.	Binta	51 in.	Mario	57 in.	Amy	53 in.

1. Use the information in the table to complete the bar graph.



6. What is the mean (average) height of the students? _____
7. What is the median height of the students? _____
8. What is the range of the heights of the students? _____
9. Use the information in the graph to make a frequency table of the students' heights.

Height Ranges	Tallies	Number of Students
46 to 50 inches		
51 to 55 inches		
56 to 60 inches		

The frequency table below shows the number of school lunches bought in one week by students in different classrooms. Use a calculator to help you answer each question.

Room	Number of School Lunches Bought
101	HHH HHH HHH
102	HHH HHH
103	HHH III
104	HHH II
105	HHH HHH I
106	HHH
107	HHH HHH
108	HHH I

1. What is the total number of school lunches bought?

2. Find the **mode**, or the number that occurs most often, in the data.

3. Find the **median** number of school lunches bought.

4. Find the **mean** number of school lunches bought.
