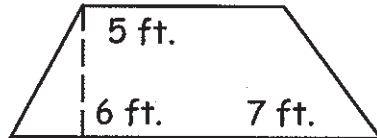


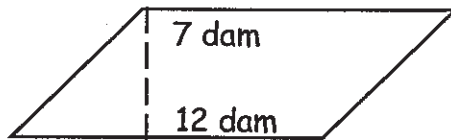
COMPUTING AREAS

Find the Area of the following geometric figures:

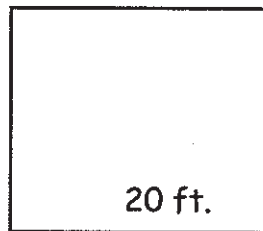
1. Trapezoid with dimensions: bases 5 feet and 7 feet, height 6 feet.



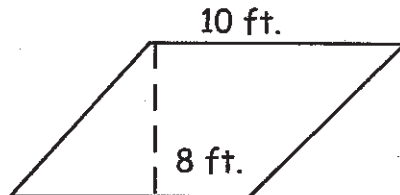
2. Parallelogram with dimensions: length 12 dam, height 7 dam.



3. Square with side of 20 feet.



4. Rhombus with side 10 feet and height of 8 feet.

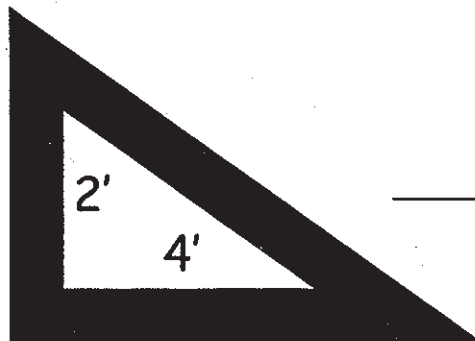


Practical Application:

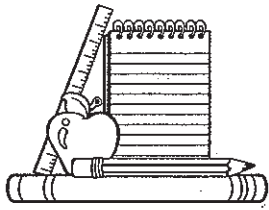
5. Find the cost of sodding a rectangular piece of ground which is 40 feet by 20 feet at 80 cents per square foot.

COMPUTING AREAS

1. Find the area of shaded region of the triangle whose dimensions are 6 ft. by 10 ft. and 2ft. 4 ft.

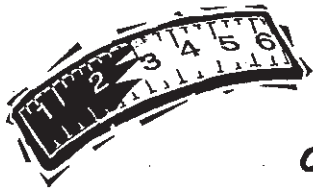


2. Find the area of a rectangle whose length is 40 feet and width is 3 feet.
3. A rectangular lot 100 ft. by 80 ft. sold for \$20,000. Find the cost per square foot.
4. A plastic top is needed to cover a circular swimming pool. If the radius of the pool is 14 feet, how many square feet of plastic is needed?
5. The outside dimensions of a rectangular picture frame are 6 inches by 8 inches. The inside dimensions are 4 inches by 6 inches. Find the area of the frame.
6. Carpet costs \$18.00 per square yard. Find the cost to carpet a floor 5 yds. by 8 yds.
7. Find the area of a square whose side is 3.2 inches.
8. If it costs \$2.25 per square foot to have a cement driveway poured, find the cost of having a driveway 40 ft. by 10 ft. poured.
9. Find the area of a trapezoid whose bases are 8 feet and 6 feet respectively and has a height of 10 feet.
10. Find the area of a parallelogram whose length is 12 cm. and height is 4 cm.

**COMPUTING AREAS**

Find the area of the following geometric figures:

1. Triangle: Base 18 inches, height 4 inches _____
2. Square: Side 3 cm. _____
3. Circle: Radius equal to 7 inches. Let $\pi = 22/7$. _____
4. Circle: Radius equal to 6 dm. Let $\pi = 3.14$. _____
5. Trapezoid: Bases 4 ft. and 2 ft. and height of 6 ft. _____
6. Parallelogram: Length of 6 dm and height 4 dm. _____
7. If carpet costs \$20 per square yard, how much does it cost to carpet a room 7 yds. by 5 yds.? _____
8. How much would it cost to cement a driveway at \$2 per square foot if the driveway is to be 30 feet by 12 feet? _____
9. If one pound of grass seed will seed an area of 400 square feet, how many pounds will be used for a lawn 60 feet by 20 feet? _____
10. Find the area of a rhombus with a side 2 inches and height of 1 inch.



COMPUTING AREAS

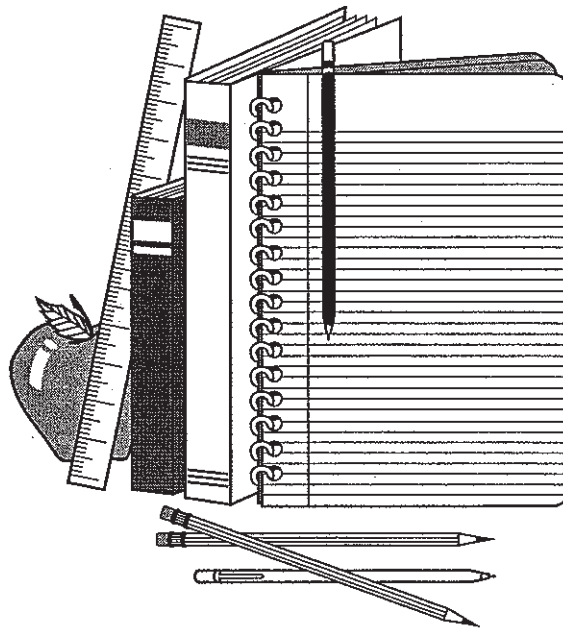
1. 36 Square feet.
2. 84 Square dam.
3. 400 Square feet.
4. 80 Square feet.
5. \$640.00

**COMPUTING AREAS**

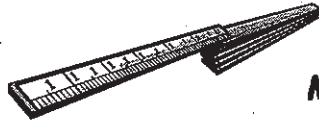
1. 26 square feet
2. 120 square feet
3. \$2.50 per square foot
4. 616 square feet
5. 24 square feet
6. \$720.00
7. 10.24 square inches
8. \$900.00
9. 70 square feet
10. 48 square cm.

COMPUTING AREAS

1. 36 square inches
2. 9 square cm.
3. 154 square inches
4. 113.04 square dm.
5. 18 square feet
6. 24 square dm.
7. \$700.00
8. \$720.00
9. 3 pounds
10. 2 square inches



TOPIC: Math
GRADE LEVEL: Secondary
TIME: One class period



MEASUREMENTS

OBJECTIVE: The student will become familiar with basic terms used in everyday measurements.

MATERIALS NEEDED:

1. One copy of Student Activity Sheet for each class member.
2. A basic math text to use as a reference for each student.
3. Teacher Reference Sheet and Answer Key.

PROCEDURE:

1. Distribute Student Activity Sheet to each student.
2. Decide beforehand if the list of words to be found in the word search are to be shared with the students (Teacher Reference Sheet). This will probably be based on the ability and knowledge of the class as a whole. If so, write the list on the chalkboard or overhead transparency.
3. Review and discuss basic information on measurements with students and/or assist them in locating information in their text books.
4. Assign the completion of the Student Activity Sheet by a specified time.
5. Collect for teacher evaluation and/or correct the assignment in class.