

**Geometry
Area**

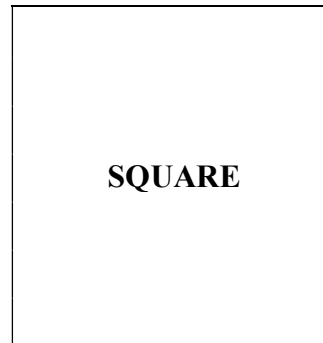
A, Multiple Choice. Write the letter for the best answer in the space provided.

_____ 1. The area of a rectangle is found by:

- | | |
|--|--|
| a. adding the length of all its sides | c. adding the length of two of its sides |
| b. multiplying the length of all its sides | d. multiplying the length by the height |
| e. none of the above | |

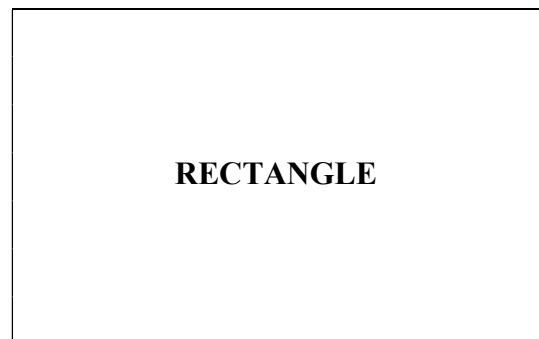
B. Calculations. 2. – 10. Calculate the area of each square. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Length	Height	Area	
2.	2	2	_____	Sq. units
3.	3	3	_____	Sq. units
4.	4	4	_____	Sq. units
5.	5	5	_____	Sq. units
6.	$6\frac{1}{2}$	$6\frac{1}{2}$	_____	Sq. units
7.	$7\frac{3}{4}$	$7\frac{3}{4}$	_____	Sq. units
8.	$8\frac{3}{8}$	$8\frac{3}{8}$	_____	Sq. units
9.	$9\frac{5}{8}$	$9\frac{5}{8}$	_____	Sq. units
10.	$10\frac{3}{16}$	$10\frac{3}{16}$	_____	Sq. units



C. Calculations. 11 – 20. Calculate the area of each rectangle. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Length	Height	Area	
11.	2	1	_____	Sq. units
12.	3	2	_____	Sq. units
13.	4	3	_____	Sq. units
14.	5	3	_____	Sq. units
15.	5	4	_____	Sq. units
16.	$6\frac{1}{2}$	3	_____	Sq. units
17.	$7\frac{1}{2}$	$4\frac{1}{2}$	_____	Sq. units
18.	$8\frac{1}{8}$	$6\frac{1}{4}$	_____	Sq. units
19.	$9\frac{7}{8}$	$8\frac{1}{8}$	_____	Sq. units
20.	$11\frac{1}{16}$	$9\frac{7}{8}$	_____	Sq. units



D, Multiple Choice. Write the letter for the best answer in the space provided.

_____ 21. The area of a triangle is found by:

- a. adding the length of all its sides
- b. multiplying the base by the height
- c. adding the length of two of its sides
- d. multiplying the base by the height by $\frac{1}{2}$.
- e. none of the above

E. Calculations. 22 – 30. Calculate the area of each rectangle. Reduce fractions to their lowest terms. Write your answer in the space provided.

	Base	Height	Area	
22.	2	3	_____	Sq. units
23.	3	4	_____	Sq. units
24.	3	5	_____	Sq. units
25.	4	5	_____	Sq. units
26.	5	5	_____	Sq. units
27.	$5\frac{1}{2}$	6	_____	Sq. units
28.	$6\frac{3}{4}$	$7\frac{1}{2}$	_____	Sq. units
29.	$6\frac{3}{8}$	$8\frac{3}{4}$	_____	Sq. units
30.	$8\frac{5}{16}$	$7\frac{3}{8}$	_____	Sq. units

