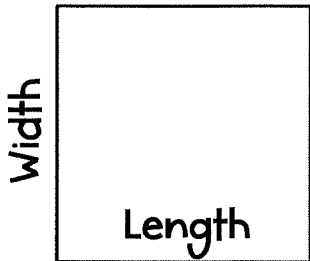


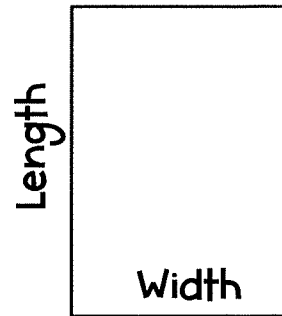
# Area of 2D Shapes

Square



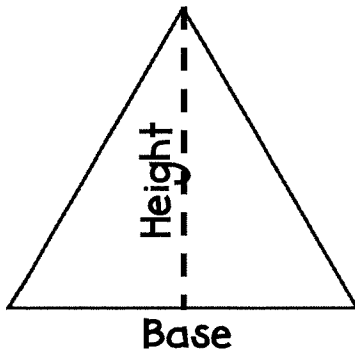
$$\text{Area} = L \times W$$

Rectangle



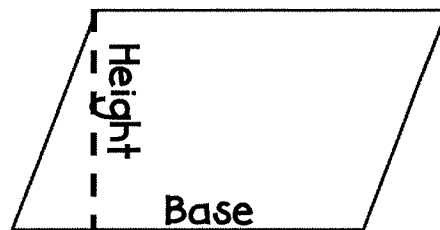
$$\text{Area} = L \times W$$

Triangle



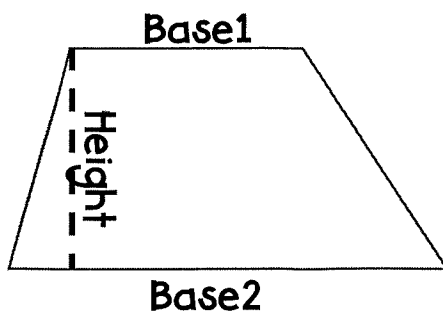
$$\text{Area} = \frac{B \times H}{2}$$

Parallelogram



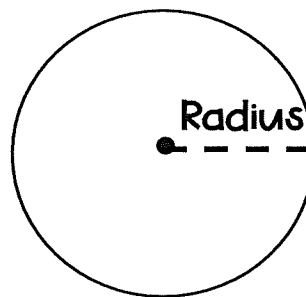
$$\text{Area} = B \times H$$

Trapezoid



$$\text{Area} = \frac{B1+B2}{2} \times H$$

Circle



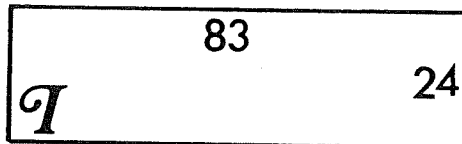
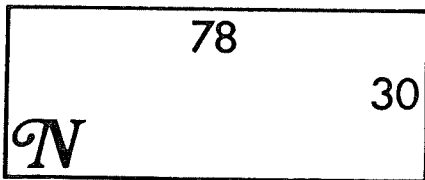
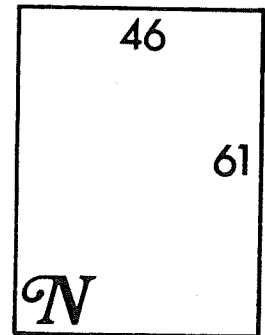
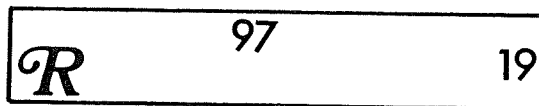
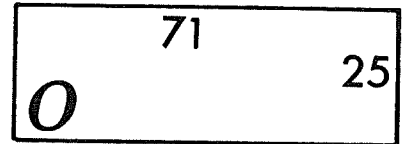
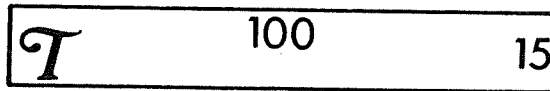
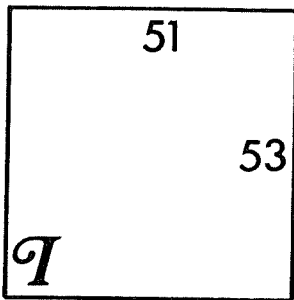
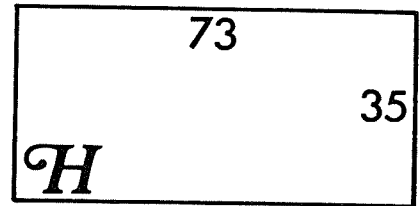
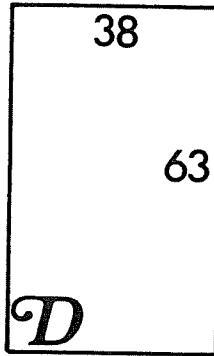
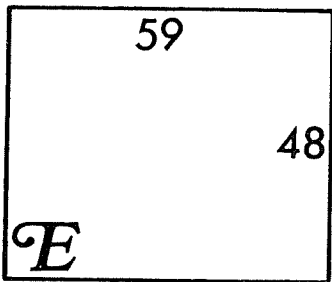
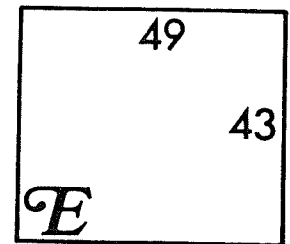
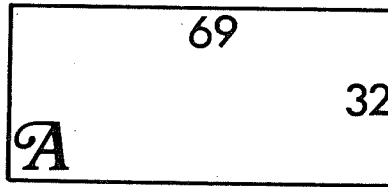
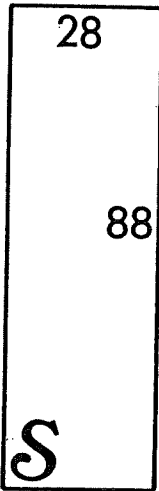
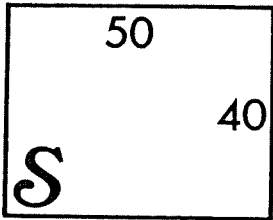
$$\text{Area} = \pi \times r^2$$

# Why did Orgo use Yeast and Shoe Polish?

TO FIND THE ANSWER TO THIS IMPORTANT QUESTION, FOLLOW THESE DIRECTIONS:

Figure out the area of each rectangle below. Then write the letter inside each rectangle into a box at the bottom of the page. The letter of the smallest rectangle goes in the first box, the letter of the next smallest rectangle goes in the second box, and so on up to the largest rectangle.

WRITE THE LETTERS IN PROPER ORDER AND YOU WILL HAVE THE ANSWER TO THE QUESTION.



SMALLEST

LARGEST

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

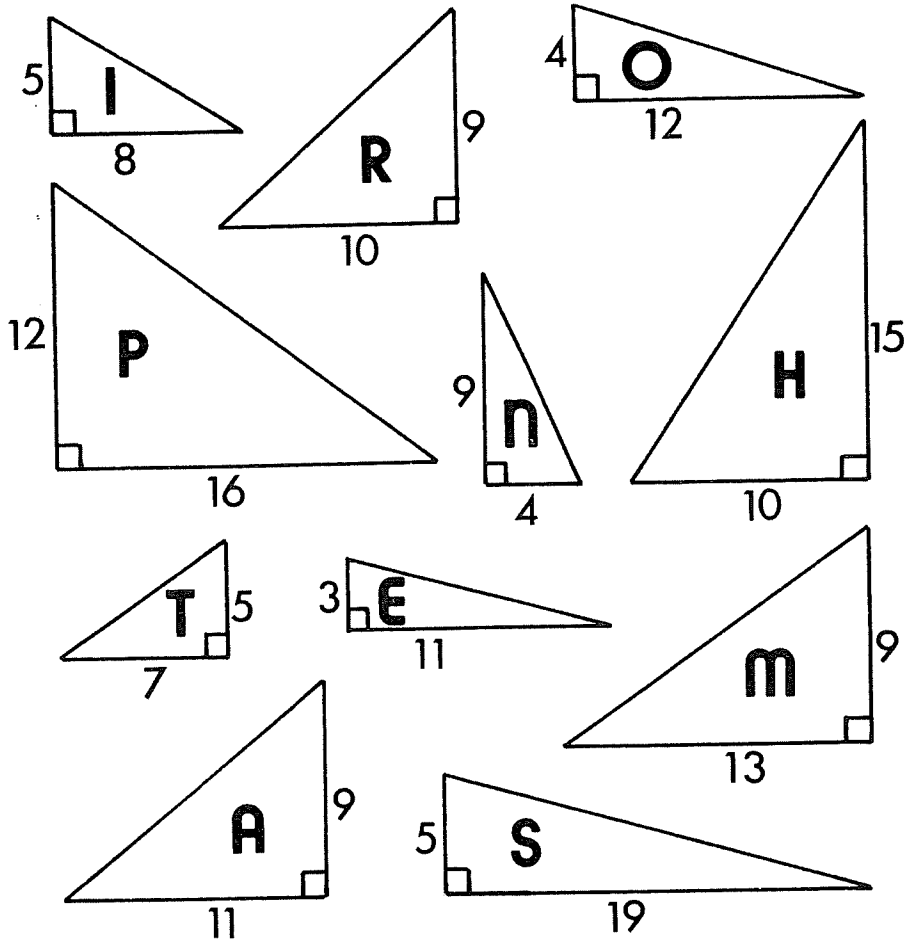
# CHINESE PUZZLE

DO THIS PUZZLE AND YOU WILL COMPLETE A FAMOUS SAYING.

FIRST, figure out the area of any triangle below and find your answer in the answer column.

SECOND, look for the Chinese character of your answer at the bottom of the page. Each time you see this character, write the letter inside the triangle above it.

KEEP WORKING UNTIL YOU DISCOVER THIS WISDOM.



交	24
運	49 $\frac{1}{2}$
手	45
鑰	17 $\frac{1}{2}$
物	18
瞧	58 $\frac{1}{2}$
誌	20
寶	47 $\frac{1}{2}$
火	75
世	16 $\frac{1}{2}$
界	96

MAN WHO BOWLS PERFECT GAME

火運寶

物交鑰誌瞧世鑰交寶界運手世

# LINEUP

**DIRECTIONS:**

Find the area of each circle with radius ( $r$ ) or diameter ( $d$ ) as indicated. (Use  $\pi=3.14$ ) Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the line of boxes at the bottom of the page.

- r = 1 ft ■
- r = 1 cm ■
- r = 2 in. ■
- r = 10 cm ■
- r = 3 in. ■
- r = 6 ft ■
- r = 2.1 in. ■
- r = 12 ft ■
- r = 1.5 cm ■
- r = .9 in. ■
- d = 10 cm ■
- d = 8 ft ■
- d = 24 cm ■
- d = 12 in. ■
- d = 30 ft ■
- d = 20 in. ■
- d = 7 cm ■
- d = 3 ft ■

- 12.56 sq in.
- 28.26 sq in.
- 113.04 sq ft
- 78.5 sq cm
- 3.14 sq ft
- 452.16 sq ft
- 113.04 sq in.
- 2.5434 sq in.
- 3.14 sq cm
- 314 sq in.
- 13.8474 sq in.
- 38.465 sq cm
- 50.24 sq ft
- 314 sq cm
- 7.065 sq cm
- 452.16 sq cm
- 7.065 sq ft
- 706.5 sq ft

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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