

Name _____ Date _____

Odd + Odd	Is the answer odd or even?	
$3 + 1 = \square$	Odd	Even
$5 + 5 = \square$	Even	Odd
$7 + 3 = \square$	Even	Odd
$11 + 5 = \square$	Odd	Even
$9 + 13 = \square$	Odd	Even
$7 + 1 = \square$	Even	Odd
$23 + 15 = \square$	Odd	Even
$41 + 33 = \square$	Even	Odd
$165 + 235$	Even	Odd
$4003 + 3001$	Odd	Even
	Odd	Even

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GRID GAME

DIRECTIONS: Starting from the "zero" box, make only  jumps and  jumps. Write in each box the number of jumps needed to arrive at it from the "zero" box. A few boxes have already been filled in for you.

	0	1	2	3	4	5	6	7	8	9
0	0 → 1									
1		↓ 2 → 3 → 4 → 5 →								
2		↓		↓ 5 →						
3				↓						
4										
5										
6										
7										
8										
9										

Now, can you figure out a way to find the numbers that go in the different boxes, using only the numbers at the tops of their columns and to the left of their rows?

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A 14	B 2
C 3	D 47

$$A + B = \square$$

$$C + D = \bigcirc$$

$$(A + B) + (C + D) = \triangle$$

$$A + C = \square$$

$$B + D = \bigcirc$$

$$(A + C) + (B + D) = \triangle$$

$$A + D = \square$$

$$B + C = \bigcirc$$

$$(A + D) + (B + C) = \triangle$$

A 32	B 9
C 45	D 7

$$A + B = \square$$

$$C + D = \bigcirc$$

$$(A + B) + (C + D) = \triangle$$

$$A + C = \square$$

$$B + D = \bigcirc$$

$$(A + C) + (B + D) = \triangle$$

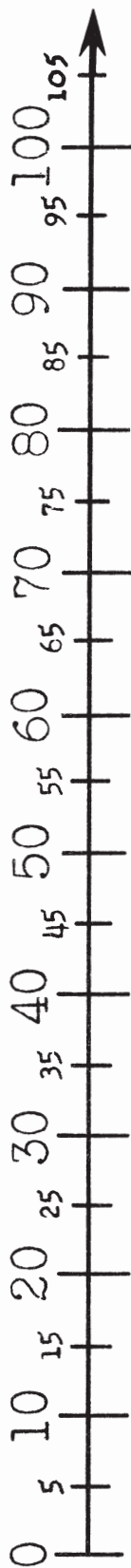
$$A + D = \square$$

$$B + C = \bigcirc$$

$$(A + D) + (B + C) = \triangle$$

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Number line



$$\begin{array}{r} 80 \\ - 15 \\ \hline \end{array} \qquad \begin{array}{r} 60 \\ - 15 \\ \hline \end{array} \qquad \begin{array}{r} 75 \\ - 25 \\ \hline \end{array} \qquad \begin{array}{r} 59 \\ - 29 \\ \hline \end{array} \qquad \begin{array}{r} 100 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ - 20 \\ \hline \end{array} \qquad \begin{array}{r} 76 \\ - 30 \\ \hline \end{array} \qquad \begin{array}{r} 43 \\ - 13 \\ \hline \end{array} \qquad \begin{array}{r} 100 \\ - 30 \\ \hline \end{array} \qquad \begin{array}{r} 100 \\ - 34 \\ \hline \end{array}$$

$$100 - 50 - 3 = 100 - 53 = \boxed{}$$

$$100 - 40 - 7 = 100 - 47 = \boxed{}$$

$$100 - 20 - 9 = 100 - 29 = \boxed{}$$

$$100 - 30 - 8 = 100 - 38 = \boxed{}$$

$$100 - 90 - 9 = 100 - 99 = \boxed{}$$

$$100 - 50 - 3 = 100 - 53 = \boxed{}$$

$$100 - 40 - 7 = 100 - 47 = \boxed{}$$

$$100 - 20 - 9 = 100 - 29 = \boxed{}$$

$$100 - 30 - 8 = 100 - 38 = \boxed{}$$

$$100 - 90 - 9 = 100 - 99 = \boxed{}$$

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Double down these columns:

1	2	3	4	5
2				
4				

$\xrightarrow{D}$ means double.
 $\xrightarrow{DD}$ means double, double.
 $\xrightarrow{DDD}$ means double, double, double.

$2 \xrightarrow{D} 4$
 $2 \xrightarrow{D} 4 \xrightarrow{D} 8$

$3 \xrightarrow{D} 6$

$2 \xrightarrow{DD} 8$

$4 \xrightarrow{D} \square$

$3 \xrightarrow{D} 6 \xrightarrow{D} \text{hexagon}$

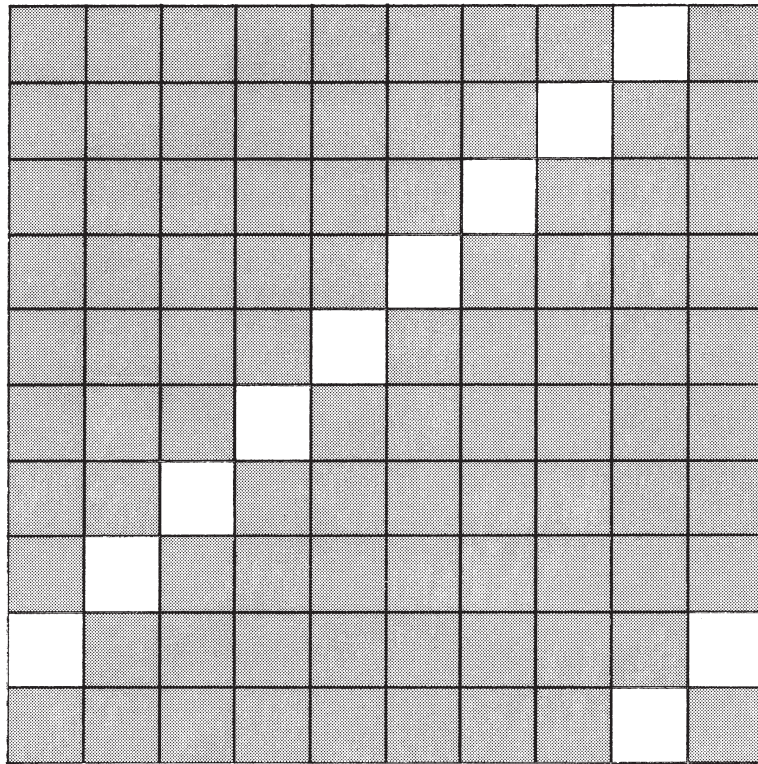
$5 \xrightarrow{D} \square$

$3 \xrightarrow{DD} \square$

$6 \xrightarrow{D} \square$

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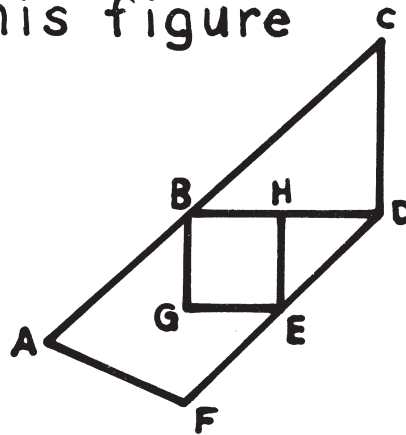
The
PATTERN
of
9



X	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

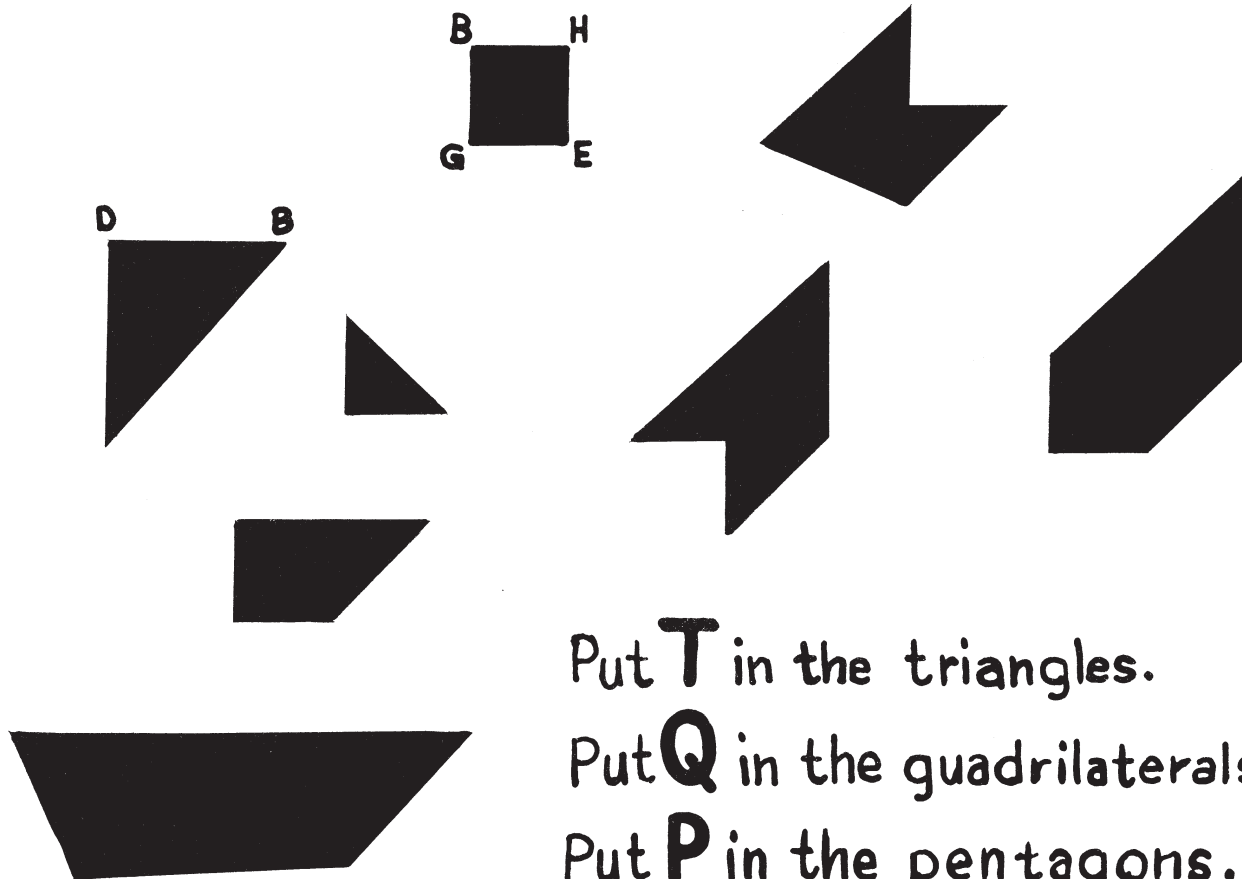
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Look at this figure



then look at the shaded pieces.

The shaded pieces match the figure.
Label the points to show how they match.



Put **T** in the triangles.

Put **Q** in the quadrilaterals.

Put **P** in the pentagons.