

Diamond Math Problems

Name: _____ Date: _____



Complete the diamond problems. The top cell contains the *product* of the numbers in the left and right cells, while the bottom cell contains the *sum*.

(1) $\begin{array}{c} \diagup \quad \diagdown \\ -10 \quad +6 \\ \diagdown \quad \diagup \end{array}$

(2) $\begin{array}{c} \diagup \quad \diagdown \\ +9 \quad -9 \\ \diagdown \quad \diagup \end{array}$

(3) $\begin{array}{c} \diagup \quad \diagdown \\ -6 \quad +6 \\ \diagdown \quad \diagup \end{array}$

(4) $\begin{array}{c} \diagup \quad \diagdown \\ -8 \quad +6 \\ \diagdown \quad \diagup \end{array}$

(5) $\begin{array}{c} \diagup \quad \diagdown \\ +11 \quad -9 \\ \diagdown \quad \diagup \end{array}$

(6) $\begin{array}{c} \diagup \quad \diagdown \\ +8 \quad -1 \\ \diagdown \quad \diagup \end{array}$

(7) $\begin{array}{c} \diagup \quad \diagdown \\ +7 \quad +2 \\ \diagdown \quad \diagup \end{array}$

(8) $\begin{array}{c} \diagup \quad \diagdown \\ +3 \quad +4 \\ \diagdown \quad \diagup \end{array}$

(9) $\begin{array}{c} \diagup \quad \diagdown \\ +10 \quad -4 \\ \diagdown \quad \diagup \end{array}$

(10) $\begin{array}{c} \diagup \quad \diagdown \\ +4 \quad +10 \\ \diagdown \quad \diagup \end{array}$

(11) $\begin{array}{c} \diagup \quad \diagdown \\ +2 \quad +9 \\ \diagdown \quad \diagup \end{array}$

(12) $\begin{array}{c} \diagup \quad \diagdown \\ -44 \quad +4 \\ \diagdown \quad \diagup \end{array}$

(13) $\begin{array}{c} \diagup \quad \diagdown \\ -99 \quad -11 \\ \diagdown \quad \diagup \end{array}$

(14) $\begin{array}{c} \diagup \quad \diagdown \\ +12 \quad 1 \\ \diagdown \quad \diagup \end{array}$

(15) $\begin{array}{c} \diagup \quad \diagdown \\ -80 \quad -8 \\ \diagdown \quad \diagup \end{array}$

(16) $\begin{array}{c} \diagup \quad \diagdown \\ 22 \quad +11 \\ \diagdown \quad \diagup \end{array}$

(17) $\begin{array}{c} \diagup \quad \diagdown \\ -32 \quad -8 \\ \diagdown \quad \diagup \end{array}$

(18) $\begin{array}{c} \diagup \quad \diagdown \\ -9 \quad 1 \\ \diagdown \quad \diagup \end{array}$

(19) $\begin{array}{c} \diagup \quad \diagdown \\ +4 \quad 6 \\ \diagdown \quad \diagup \end{array}$

(20) $\begin{array}{c} \diagup \quad \diagdown \\ -9 \quad +9 \\ \diagdown \quad \diagup \end{array}$

(21) $\begin{array}{c} \diagup \quad \diagdown \\ 45 \quad +9 \\ \diagdown \quad \diagup \end{array}$

(22) $\begin{array}{c} \diagup \quad \diagdown \\ -5 \quad 0 \\ \diagdown \quad \diagup \end{array}$

(23) $\begin{array}{c} \diagup \quad \diagdown \\ 20 \quad 9 \\ \diagdown \quad \diagup \end{array}$

(24) $\begin{array}{c} \diagup \quad \diagdown \\ 4 \quad 5 \\ \diagdown \quad \diagup \end{array}$

(25) $\begin{array}{c} \diagup \quad \diagdown \\ 54 \quad 15 \\ \diagdown \quad \diagup \end{array}$

(26) $\begin{array}{c} \diagup \quad \diagdown \\ 48 \quad 16 \\ \diagdown \quad \diagup \end{array}$

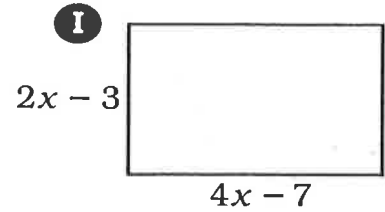
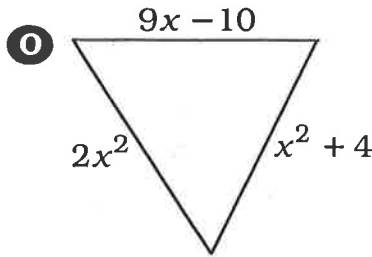
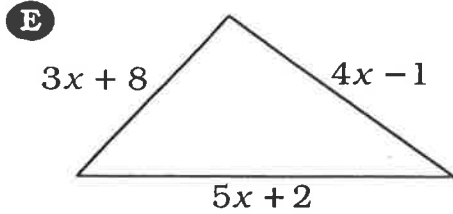
(27) $\begin{array}{c} \diagup \quad \diagdown \\ -54 \quad 3 \\ \diagdown \quad \diagup \end{array}$

(28) $\begin{array}{c} \diagup \quad \diagdown \\ -144 \quad 0 \\ \diagdown \quad \diagup \end{array}$

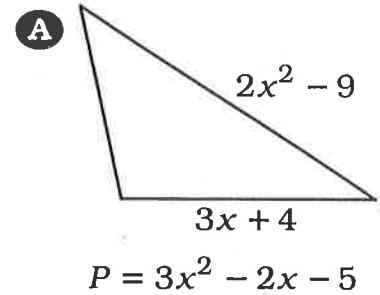
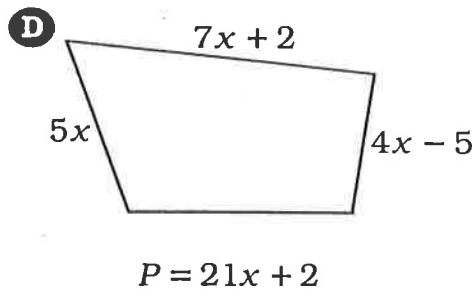
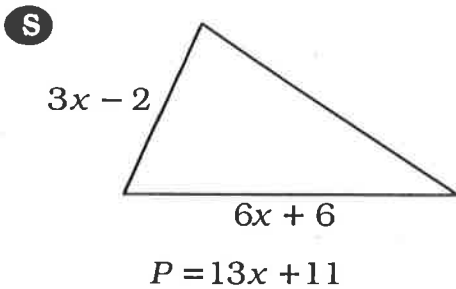
Mystery Message

Do each exercise and find your answer at the bottom of the page. Write the letter of the exercise in the box above the answer. (Assume that figures that appear to be rectangular are rectangles.)

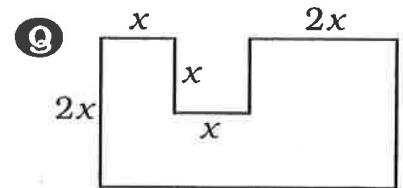
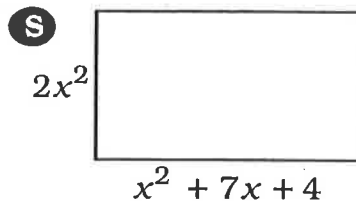
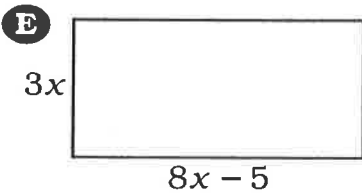
Part 1. Find the perimeter.



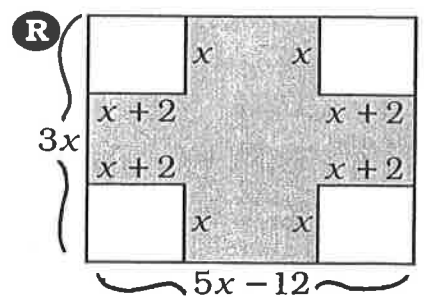
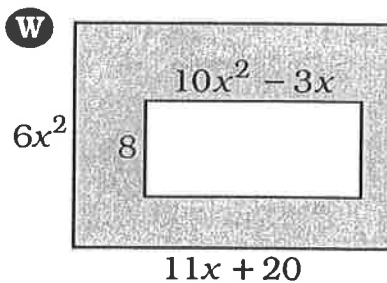
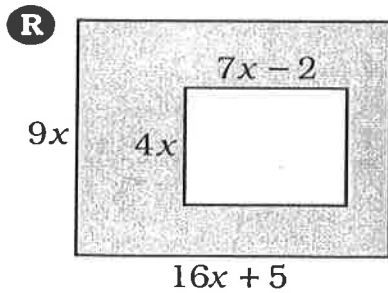
Part 2. Find the missing side length. The perimeter, P, is given.



Part 3. Find the area.



Part 4. Find the area of the shaded region.



$7x^2$	$4x + 7$	$9x^2 - 40x$	$x^2 - 5x$	$116x^2 + 53x$	$12x + 9$	$2x^4 + 9x^3 + 12x^2$	$66x^3 + 40x^2 + 24x$	$24x^2 - 15x$	$12x - 20$	$11x^2 - 44x$	$5x + 5$	$64x^3 + 36x^2 + 30x$	$3x^2 + 9x - 6$	$2x^4 + 14x^3 + 8x^2$??
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