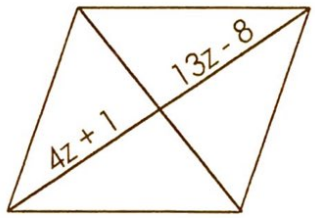
PARALLELOGRAMS
MAZE ACTIVITY

NAME: Key

DATE: _____ CLASS: _____

Directions: Solve each problem and then plug your answer into the box for the next problem. Each problem depends on your previous answer.

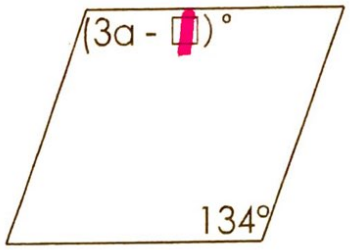
A Find the value of 'z'.



$4z+1=13z-8$

$z=1$

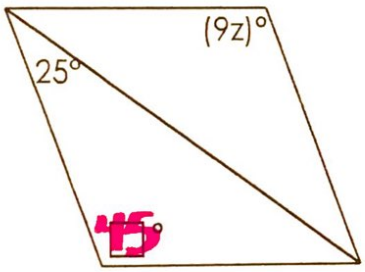
B Find the value of 'a'.



$3a-1=134$

$a=45$

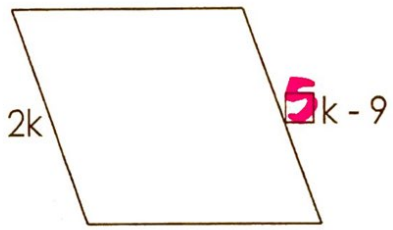
C Find the value of 'z'.



$45=9z$

$z=5$

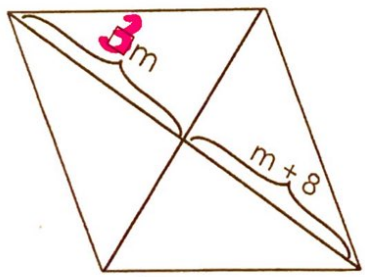
D Find the value of 'k'.



$2K=5K-9$

$K=3$

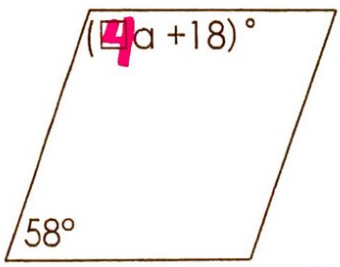
E Find the value of 'm'.



$3m=m+8$

$m=4$

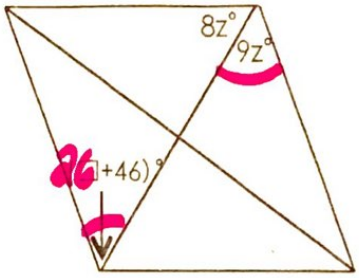
F Find the value of 'a'.



$4a+18+58=180$

$a=26$

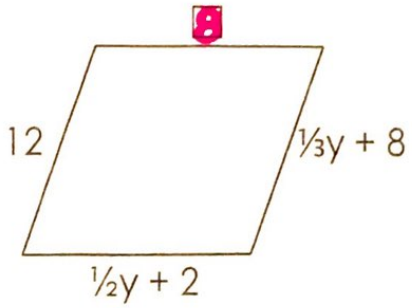
G Find the value of 'z'.



$72 = 9z$

$z = 8$

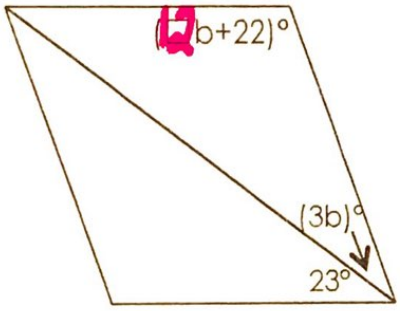
H Find the value of 'y'.



$12 = \frac{1}{3}y + 8$

$y = 12$

I Find the value of 'b'.

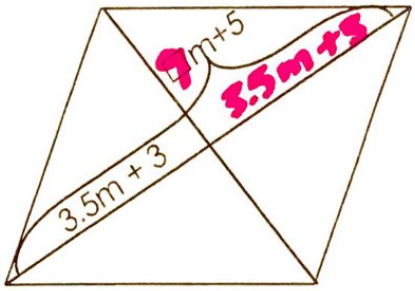


$12b + 22 + 3b + 23 = 180$

$15b + 45 = 180$

$b = 9$

J Find the value of 'm'.



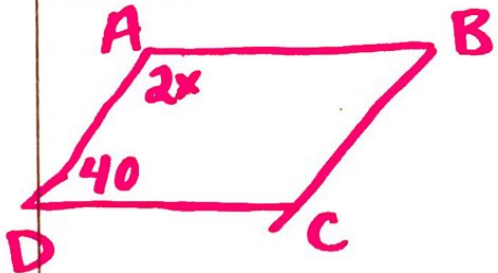
$3.5m + 3 + 3.5m + 3 = 9m + 5$

$7m + 6 = 9m + 5$

$1 = 2m$

$\frac{1}{2} = m$

K ABCD is a parallelogram. If $m\angle A = \frac{1}{2}(4x)°$ and $m\angle D = 40°$, find the $m\angle B$.



$\angle D \cong \angle B$

$\angle B = 40°$

GREAT JOB! YOU REACHED THE END ☺