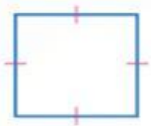
Name: ..... Class: .....

## Power Up! Test Practice

**22.** The two regular polygons below have the same perimeter.

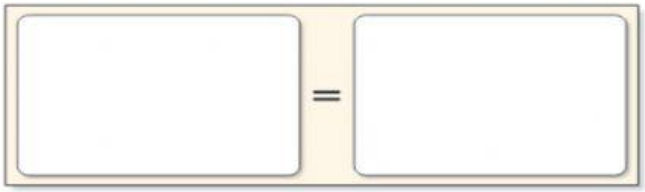


$x + 1$



$x + 2$

Use the algebra tiles to model an equation on the equation mat below that can be used to find $x$. Then solve the equation.






$x =$ ☐

**23.** Company A charges AED 28.50 plus AED 18 a room to clean carpet. Company B charges AED 16.50 plus AED 20 a room. Determine if each statement is true or false.

**a.** For 4 rooms, carpet cleaner B is cheaper. ☐ True ☐ False

**b.** For 5 rooms, carpet cleaner A is cheaper. ☐ True ☐ False

**c.** The equation $28.5 + 18x = 16.5 + 20x$ can be solved to find the number of rooms for which the total cost is the same. ☐ True ☐ False

**d.** For 6 rooms, both carpet cleaners charge the same amount. ☐ True ☐ False

LIVEWORKSHEETS