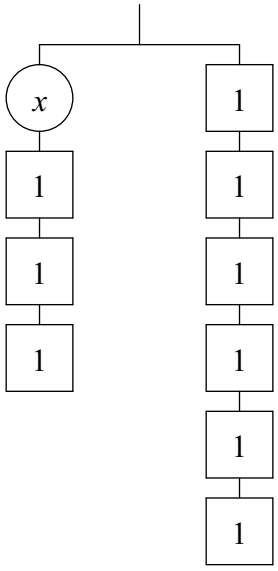
 Name_____

Equations with Hanger Diagrams

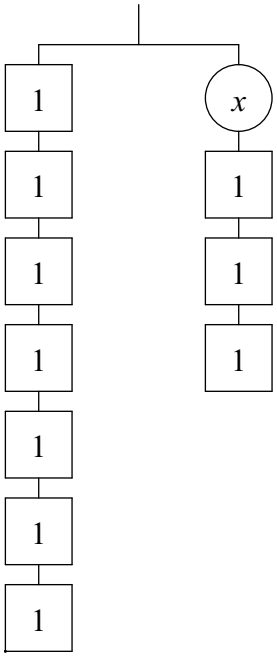
Date_____ Period____

Write an equation to represent the balanced hanger diagram. Then find the value of *x*.

1)



2)



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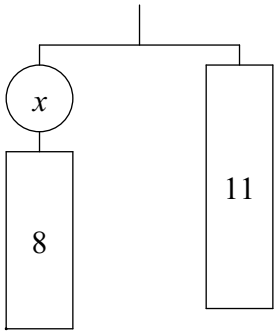
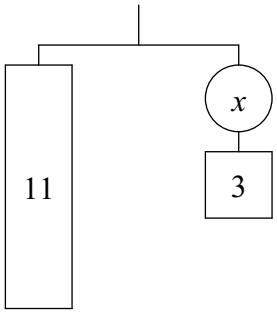
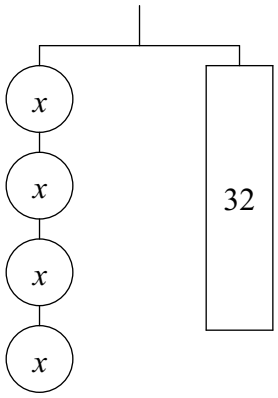


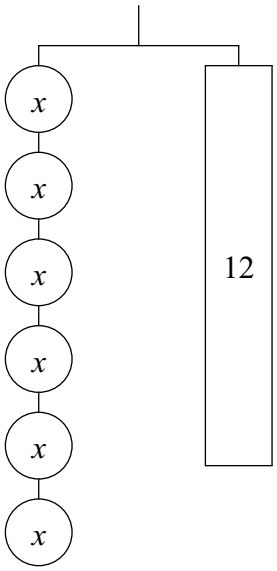
4)



5)



6)



Draw a hanger diagram to represent the equation. Then find the value of *x*.

7) $x + 3 = 8$

8) $x + 8 = 15$

9) $2x = 12$

10) $15 = 3x$

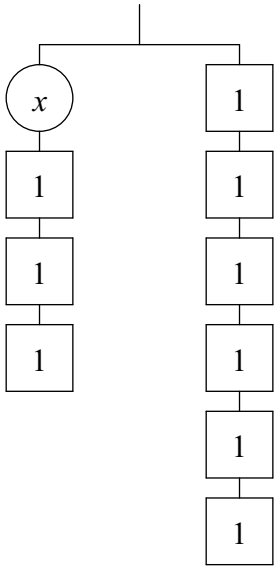
Kuta Software - Infinite Grade 6 Math Name_____

Equations with Hanger Diagrams

Date_____ Period____

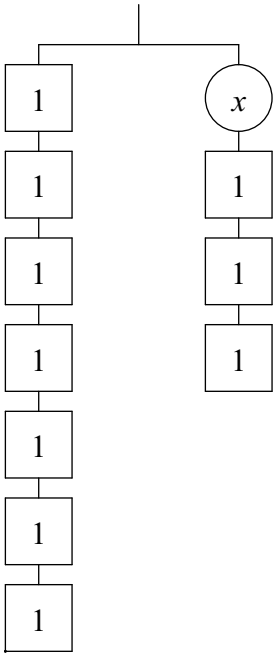
Write an equation to represent the balanced hanger diagram. Then find the value of *x*.

1)



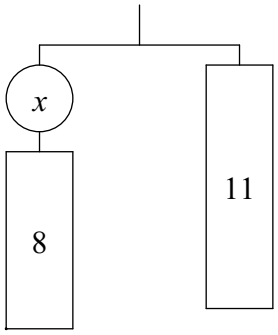
$x + 3 = 6$
$x = 3$

2)



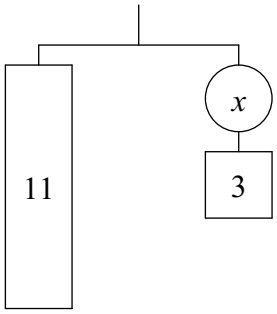
$7 = x + 3$
$x = 4$

3)



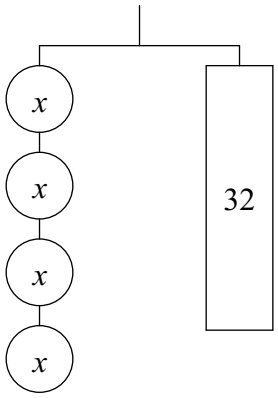
$x + 8 = 11$
$x = 3$

4)



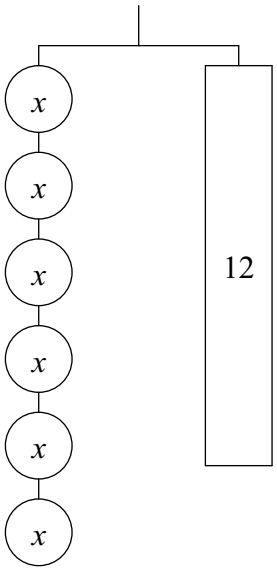
$11 = x + 3$
$x = 8$

5)



$4x = 32$
$x = 8$

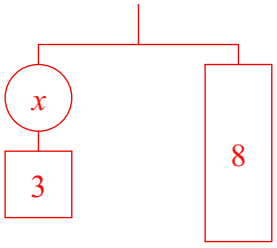
6)



$6x = 12$
$x = 2$

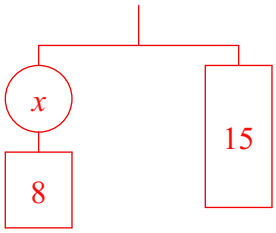
Draw a hanger diagram to represent the equation. Then find the value of *x*.

7) $x + 3 = 8$



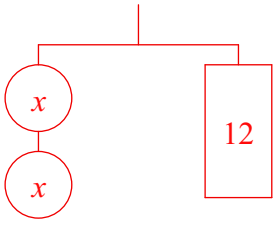
$x = 5$

8) $x + 8 = 15$



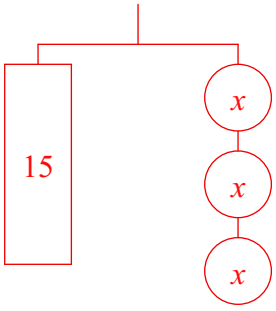
$x = 7$

9) $2x = 12$



$x = 6$

10) $15 = 3x$



$x = 5$