Kuta Software - Infinite Grade 6 Math

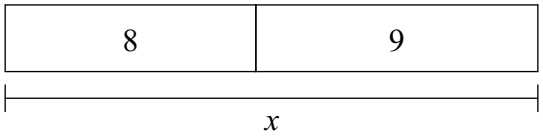
Name_____

Equations with Tape Diagrams

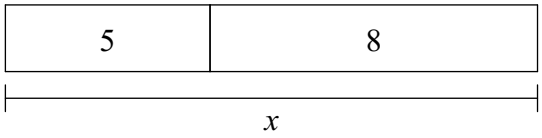
Date_____ Period____

State if the tape diagram matches the equation.

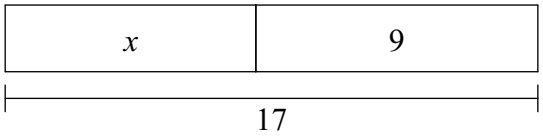
1) $8 + 9 = x$



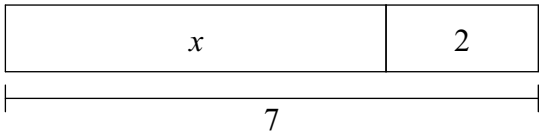
2) $x + 5 = 8$



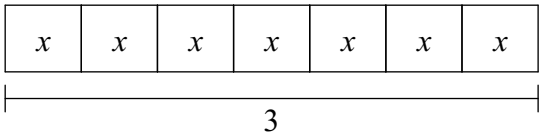
3) $x + 9 = 17$



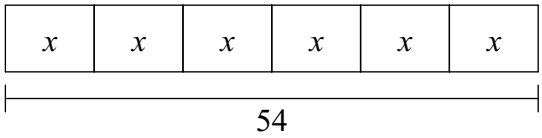
4) $7 + 2 = x$



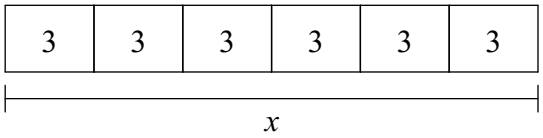
5) $x = 7 \cdot 3$



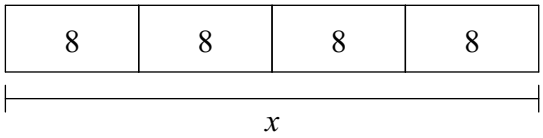
6) $54 = 6 \cdot x$



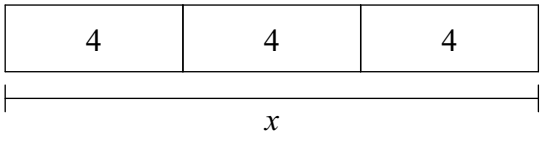
7) $x \div 6 = 3$



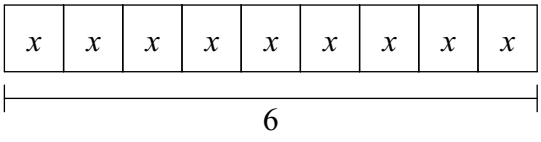
8) $4 \cdot 8 = x$



9) $4 = \frac{x}{3}$



10) $6 = \frac{x}{9}$



Draw a tape diagram to represent the equation. Then find the unknown value.

11) $2 + 3 = x$

12) $13 = x + 7$

13) $x = 10 - 4$

14) $6 = x - 2$

15) $28 \div 4 = x$

16) $4 \cdot x = 24$

17) $3 \cdot 9 = x$

18) $9 \cdot 5 = x$

19) $x + x + x + x + x + x + x + x = 40$

20) $6 = \frac{x}{3}$

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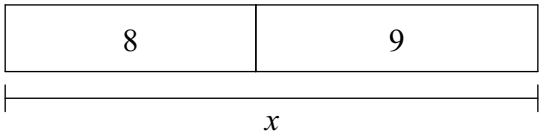
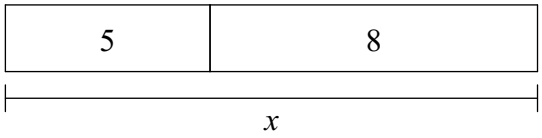


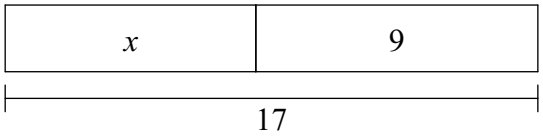
Yes

2) $x + 5 = 8$



No

3) $x + 9 = 17$



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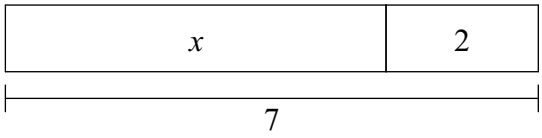
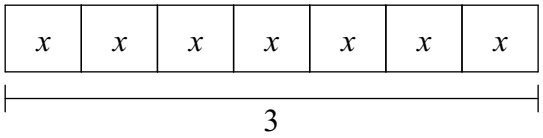


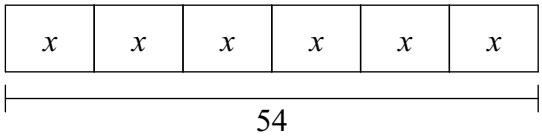
No

5) $x = 7 \cdot 3$



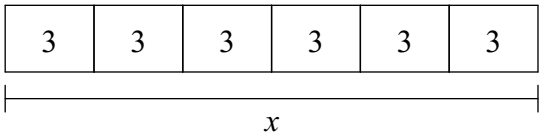
No

6) $54 = 6 \cdot x$



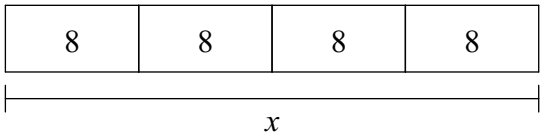
Yes

7) $x \div 6 = 3$



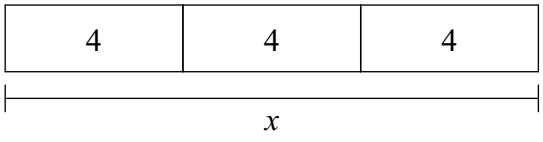
Yes

8) $4 \cdot 8 = x$



Yes

9) $4 = \frac{x}{3}$



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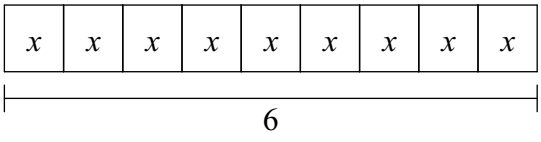
10) $6 = \frac{x}{9}$



No

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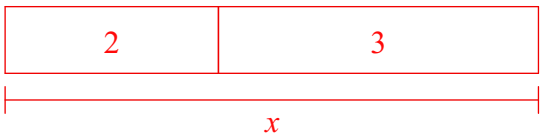
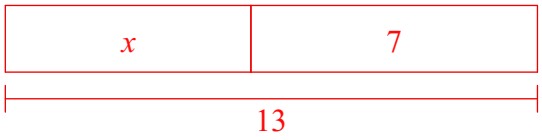
11) $2 + 3 = x$



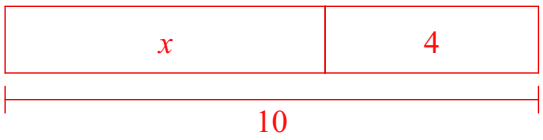
$x = 5$

12) $13 = x + 7$



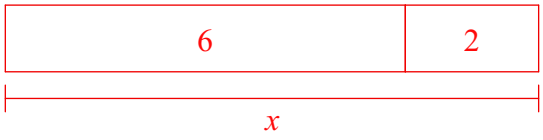
$x = 6$

13) $x = 10 - 4$



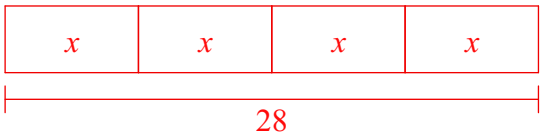
$x = 6$

14) $6 = x - 2$



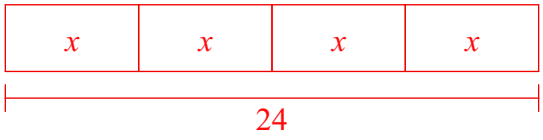
$x = 8$

15) $28 \div 4 = x$



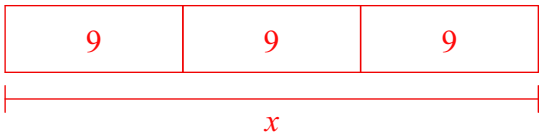
$x = 7$

16) $4 \cdot x = 24$



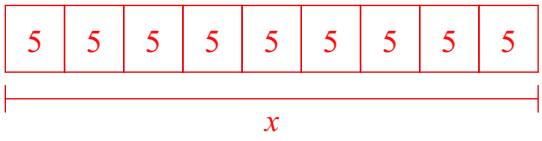
$x = 6$

17) $3 \cdot 9 = x$



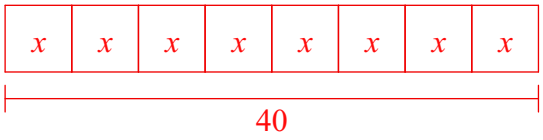
$x = 27$

18) $9 \cdot 5 = x$



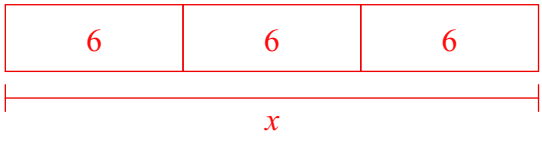
$x = 45$

19) $x + x + x + x + x + x + x + x = 40$



$x = 5$

20) $6 = \frac{x}{3}$



$x = 18$