Cross Multiplying

Solve for x.
1. $5x = 20$ 2. $2x = 14$ 3. $6x = 18$

4. $3x = 30$ 5. $3x = 3$ 6. $4x = 20$

7. $2x = 8$ 8. $9x = 54$ 9. $10x = 30$

Solve for x by cross multiplying.

10. $\dfrac{2}{3} = \dfrac{x}{9}$ 11. $\dfrac{x}{4} = \dfrac{1}{2}$ 12. $\dfrac{9}{x} = \dfrac{3}{4}$

13. $\dfrac{1}{2} = \dfrac{x}{6}$ 14. $\dfrac{2}{5} = \dfrac{x}{10}$ 15. $\dfrac{5}{7} = \dfrac{20}{x}$

16. $\dfrac{2}{1} = \dfrac{x}{3}$ 17. $\dfrac{1}{3} = \dfrac{4}{x}$ 18. $\dfrac{3}{4} = \dfrac{24}{x}$

BONUS QUESTIONS:

$\dfrac{3}{1} = \dfrac{x}{11}$ $\dfrac{x}{3} = \dfrac{2}{3}$ $\dfrac{28}{x} = \dfrac{4}{2}$

Name_____ANSWER KEY_____ Period_____ Date_____

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    4

2. $2x = 14$

    7

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    3

4. $3x = 30$

    10

5. $3x = 3$

    1

6. $4x = 20$

    5

7. $2x = 8$

    4

8. $9x = 54$

    6

9. $10x = 30$

    3

Solve for x by cross multiplying.

10. $\dfrac{2}{3} = \dfrac{x}{9}$

    6

11. $\dfrac{x}{4} = \dfrac{1}{2}$

    2

12. $\dfrac{9}{x} = \dfrac{3}{4}$

    12

13. $\dfrac{1}{2} = \dfrac{x}{6}$

    3

14. $\dfrac{2}{5} = \dfrac{x}{10}$

    4

15. $\dfrac{5}{7} = \dfrac{20}{x}$

    28

16. $\dfrac{2}{1} = \dfrac{x}{3}$

    6

17. $\dfrac{1}{3} = \dfrac{4}{x}$

    12

18. $\dfrac{3}{4} = \dfrac{24}{x}$

    32

BONUS QUESTIONS:

$\dfrac{3}{1} = \dfrac{x}{11}$

    33

$\dfrac{x}{3} = \dfrac{2}{3}$

    2

$\dfrac{28}{x} = \dfrac{4}{2}$

    14