LESSON 3 — Proportional Relationships
Practice A: Solving Proportions

Find the cross products.

1. $\dfrac{1}{2} = \dfrac{x}{8}$

   _____

2. $\dfrac{a}{6} = \dfrac{7}{9}$

   _____

3. $\dfrac{5}{b} = \dfrac{8}{10}$

   _____

Use cross products to solve each proportion.

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

   _____

5. $\dfrac{1}{3} = \dfrac{z}{15}$

   _____

6. $\dfrac{3}{8} = \dfrac{s}{16}$

   _____

7. $\dfrac{4}{r} = \dfrac{1}{4}$

   _____

8. $\dfrac{10}{h} = \dfrac{5}{6}$

   _____

9. $\dfrac{1}{d} = \dfrac{4}{12}$

   _____

10. $\dfrac{w}{9} = \dfrac{6}{18}$

    _____

11. $\dfrac{t}{8} = \dfrac{3}{4}$

    _____

12. $\dfrac{k}{5} = \dfrac{9}{15}$

    _____

13. $\dfrac{3}{6} = \dfrac{1}{f}$

    _____

14. $\dfrac{2}{7} = \dfrac{6}{d}$

    _____

15. $\dfrac{2}{9} = \dfrac{4}{c}$

    _____

16. $\dfrac{a}{20} = \dfrac{15}{10}$

    _____

17. $\dfrac{21}{k} = \dfrac{7}{4}$

    _____

18. $\dfrac{3}{8} = \dfrac{n}{40}$

    _____

19. Yolanda drove 50 miles in 2 hours at a constant speed. Use a proportion to find how long it would take her to drive 150 miles at the same speed.

    _____

Holt McDougal Mathematics