Practice B
Multiplying Fractions and Mixed Numbers

Multiply. Write each answer in simplest form.

1. $5 \cdot \dfrac{1}{2}$

2. $9 \cdot \dfrac{3}{4}$

3. $6 \cdot -\dfrac{2}{5}$

_____ _____ _____

4. $\dfrac{9}{15} \cdot \dfrac{5}{7}$

5. $\dfrac{9}{14} \cdot -\dfrac{7}{9}$

6. $\dfrac{7}{12} \cdot \dfrac{6}{14}$

_____ _____ _____

7. $-12 \cdot \dfrac{3}{7}$

8. $15 \cdot \dfrac{5}{6}$

9. $21 \cdot \dfrac{3}{8}$

_____ _____ _____

10. $2\dfrac{1}{3} \cdot \dfrac{3}{5}$

11. $3\dfrac{2}{5} \cdot \dfrac{1}{2}$

12. $4\dfrac{5}{6} \cdot \dfrac{2}{5}$

_____ _____ _____

13. $2\dfrac{2}{5} \cdot \dfrac{2}{3}$

14. $3\dfrac{3}{4} \cdot \dfrac{2}{5}$

15. $8\dfrac{1}{6} \cdot \dfrac{3}{7}$

_____ _____ _____

16. $2\dfrac{1}{3} \cdot 3\dfrac{3}{8}$

17. $1\dfrac{3}{5} \cdot 6\dfrac{2}{3}$

18. $2\dfrac{2}{5} \cdot 4\dfrac{5}{6}$

_____ _____ _____

19. Rolf spent 15 hours last week practicing his saxophone. If $\dfrac{3}{10}$ of the time was spent practicing warm-up routines, how much time did he spend practicing warm-up routines?

_____

20. A muffin recipe calls for $\dfrac{2}{5}$ tablespoon of vanilla extract for 6 muffins. Arthur is making 18 muffins. How much vanilla extract does he need?

_____

Holt McDougal Mathematics

LESSON 3-10 **Practice B**

Dividing Fractions and Mixed Numbers

Divide. Write each answer in simplest form.

1. $4 \div \dfrac{1}{2}$

2. $\dfrac{1}{5} \div \dfrac{1}{4}$

3. $\dfrac{1}{3} \div \dfrac{3}{5}$

_____

4. $\dfrac{8}{9} \div \dfrac{2}{3}$

5. $-\dfrac{3}{8} \div \dfrac{3}{4}$

6. $\dfrac{7}{10} \div \dfrac{3}{5}$

_____

7. $\dfrac{5}{12} \div \dfrac{2}{5}$

8. $\dfrac{3}{4} \div \dfrac{4}{9}$

9. $\dfrac{7}{12} \div \dfrac{3}{4}$

_____

10. $-4\dfrac{1}{6} \div \dfrac{1}{3}$

11. $3\dfrac{1}{4} \div \dfrac{2}{5}$

12. $6\dfrac{1}{9} \div \dfrac{1}{6}$

_____

13. $2\dfrac{1}{4} \div 1\dfrac{3}{4}$

14. $3\dfrac{3}{4} \div 2\dfrac{5}{6}$

15. $5\dfrac{1}{3} \div -1\dfrac{4}{5}$

_____

16. $2\dfrac{1}{2} \div 2\dfrac{1}{3}$

17. $-1\dfrac{3}{4} \div 1\dfrac{1}{4}$

18. $7\dfrac{2}{3} \div 1\dfrac{1}{5}$

_____

19. Burger Barn has $46\dfrac{2}{3}$ pounds of ground beef. How many

$\dfrac{1}{3}$ -pound burgers can be made using all the ground beef?

_____

20. Roberto needs some roofing tiles to be cut from a large tile.

How many tiles that are each $14\dfrac{3}{8}$ inches in length can he cut

from a larger piece of tile that is $100\dfrac{5}{8}$ inches long?

_____

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