

Divide Fractions Homework Practice

Choose 4 problems
from #s 1 – 15;

Complete # 16 & #17

Divide. Write in simplest form.

1. $\frac{2}{7} \div \frac{1}{7}$

2. $\frac{1}{9} \div \frac{2}{3}$

3. $\frac{3}{8} \div \frac{1}{2}$

4. $\frac{2}{3} \div \frac{1}{6}$

5. $\frac{1}{2} \div \frac{2}{5}$

6. $\frac{2}{3} \div \frac{1}{4}$

7. $\frac{3}{4} \div \frac{1}{10}$

8. $\frac{2}{5} \div \frac{1}{4}$

9. $\frac{1}{8} \div \frac{2}{5}$

10. $\frac{3}{7} \div \frac{4}{5}$

11. $\frac{5}{8} \div 2$

12. $\frac{3}{7} \div \frac{3}{7}$

13. $\frac{4}{5} \div \frac{7}{10}$

14. $\frac{7}{9} \div 14$

15. $\frac{5}{7} \div \frac{4}{9}$

16. **INSECTS** An average ant is $\frac{1}{4}$ inch long. An average aphid is $\frac{3}{32}$ inch long. How many times longer is an average ant than an average aphid?

17. **LAND** A field has an area of $\frac{9}{20}$ square mile. Find the width of the field if the length is $\frac{9}{10}$ mile long.

Choose 4 problems
from #s 1 – 8;
Choose 2 problems
from #s 9 – 12.

Divide Mixed Numbers Homework Practice

Divide. Write in simplest form.

1. $2 \div 3\frac{2}{3}$

2. $10 \div 1\frac{1}{4}$

3. $4\frac{3}{4} \div \frac{7}{8}$

4. $14\frac{15}{16} \div \frac{7}{8}$

5. $7\frac{1}{2} \div 1\frac{1}{4}$

6. $3\frac{3}{8} \div 2\frac{1}{4}$

7. $2\frac{1}{10} \div 1\frac{1}{5}$

8. $4\frac{1}{2} \div 2\frac{7}{10}$

9. **HURRICANES** Suppose a hurricane traveled 130 miles from a point in the Atlantic Ocean to the Florida coastline in $6\frac{1}{2}$ hours. How many miles per hour did the hurricane travel?

10. **PIPES** How many $\frac{3}{4}$ -foot lengths of pipe can be cut from a $6\frac{1}{3}$ -foot pipe?

11. **TRUCKING** A truck driver drove 300 miles in $6\frac{3}{4}$ hours. How many miles per hour did the driver drive?

12. **BAKING** A bag contains $22\frac{1}{2}$ cups of flour. A recipe for pancakes uses $1\frac{1}{4}$ cups of flour. How many batches of pancakes can be made with one bag of flour?