

LESSON
3-5**Dividing Rational Numbers****Practice and Problem Solving: A/B****Find each quotient.**

1. $\frac{1}{2} \div (-3)$

2. $-6 \div \left(-\frac{3}{4}\right)$

3. $\frac{5}{6} \div 10$

4. $\frac{5.25}{15}$

5. $24 \div (-3.2)$

6. $-0.125 \div (-0.5)$

7. $-\frac{1}{7} \div -\frac{3}{14}$

8. $\frac{\left(\frac{3}{2}\right)}{\left(-\frac{9}{8}\right)} =$

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

10. $2\frac{1}{4} \div \frac{3}{8}$

11. $\frac{4.2}{-2.4}$

12. $-\frac{5}{8} \div \left(-\frac{5}{16}\right)$

Fill in the blank with a number to make a true statement.

13. $0.25 \div \underline{\hspace{2cm}} = -0.25$

14. $-\frac{1}{2} \div \underline{\hspace{2cm}} = -\frac{7}{3}$

15. $\frac{1}{7} \div \underline{\hspace{2cm}} = 14$

Write a division problem for each situation. Then, solve it.

16. How many quarter-pound
- $\left(\frac{1}{4}\right)$
- packets of plant food can a garden shop make out of 8 pounds of the plant food?
-
- _____

17. The assembly of a machine takes
- $\frac{3}{4}$
- hour. There are twelve steps in the assembly process. What is the average time for each step?
-
- _____

18. A 35-meter length of cable is cut into pieces that measure 1.25 meters each. Into how many pieces is the cable cut?
-
- _____

- 19.
- $4\frac{1}{8}$
- tons of gravel is spread evenly across
- $2\frac{1}{6}$
- acres. How many tons of gravel are on each acre?
-
- _____