Name _____ Date _____ Class _____

# Dividing Rational Numbers
***Practice and Problem Solving: A/B***

**Find each quotient.**

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

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

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

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_____

_____

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

5. $24 \div (-3.2)$

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

_____

_____

_____

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

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

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

_____

_____

_____

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

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

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

_____

_____

_____

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

13. $0.25 \div$ _____ $= -0.25$

14. $-\dfrac{1}{2} \div$ _____ $= -\dfrac{7}{3}$

15. $\dfrac{1}{7} \div$ _____ $= 14$

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

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

_____

17. The assembly of a machine takes $\dfrac{3}{4}$ 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. $4\dfrac{1}{8}$ tons of gravel is spread evenly across $2\dfrac{1}{6}$ acres. How many tons
of gravel are on each acre?

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