

R-1

Thursday, August 22, 2013
3:03 PM

pg. 9 1-15 odd, 17-19, 31-34

1. $\frac{1}{3} + \frac{1}{5} = \frac{8}{15}$

3. $\frac{3}{4} - \frac{4}{3} = \frac{-7}{12}$

5. $\frac{2}{3} \cdot \frac{4}{7} = \frac{8}{21}$

7. $\frac{4}{5} \div \frac{1}{3} = \frac{12}{5}$

9. $100 \div 0 = \text{undefined}$

11. $\left(-\frac{3}{5}\right)\left(-\frac{5}{3}\right) = 1$

13. $\frac{17}{8} \cdot \frac{2}{7} = \frac{17}{28}$

15. $\left(\frac{3}{8}\right)^{-1} + 2^{-1} = \frac{8}{3} + \frac{1}{2} = \frac{19}{6}$

17. $x + ym = x + my$ Commutative property of multiplication

18. $7(3m) = (7 \cdot 3)m$ associative property of multiplication

19. $7u + 9u = (7+9)u$ Distributive property

31.

- a. All natural numbers ARE integers.
- b. All real numbers ARE NOT irrational.
- c. All rational numbers ARE real numbers.

32.

- a. All integers ARE NOT natural numbers.
- b. All rational numbers ARE real numbers.
- c. All natural numbers ARE rational numbers.

33.

Give an example of a rational number that is not an integer.

34

Give an example of a real number that is not a rational number.