

5-3 Skills Practice***Multiplying Rational Numbers***

Find each product. Write in simplest form.

1. $\frac{1}{3} \cdot \left(-\frac{1}{4}\right)$

2. $-\frac{2}{5} \cdot \frac{6}{7}$

3. $\frac{2}{7} \cdot \frac{3}{11}$

4. $\frac{3}{13} \cdot \frac{2}{5}$

5. $\frac{2}{9} \cdot \frac{3}{5}$

6. $\frac{3}{11} \cdot \frac{5}{9}$

7. $-\frac{1}{4} \cdot \frac{4}{9}$

8. $\frac{3}{5} \cdot \frac{15}{18}$

9. $\frac{5}{16} \cdot 4$

10. $5\frac{1}{2} \cdot \frac{2}{11}$

11. $-12\frac{2}{3} \cdot 7\frac{1}{2}$

12. $-\frac{5}{36} \cdot \left(-\frac{9}{25}\right)$

13. $8\frac{4}{5} \cdot 2\frac{5}{10}$

14. $3\frac{1}{3} \cdot 9\frac{3}{4}$

15. $\frac{3}{a} \cdot \frac{b}{5}$

16. $\frac{2x}{5} \cdot \frac{3}{x}$

17. $\frac{9m}{n} \cdot \frac{2n}{3}$

18. $\frac{3s}{t^2} \cdot \frac{t}{9s^2}$

19. $\frac{ab}{c} \cdot \frac{c^2}{b}$

20. $\frac{x}{y} \cdot \frac{2x}{4}$

21. $\frac{r^2s}{t} \cdot \frac{3t^2}{rs^3}$

22. $\frac{ab^3}{9} \cdot \frac{b}{a^2}$

23. $\frac{m^4n^2p}{4} \cdot \frac{8p^2}{m^4n}$

24. $\frac{3xy}{5} \cdot \frac{15xyz^2}{y^2}$

MEASUREMENT Complete.

25. $\underline{\quad? \quad}$ quarts = $6\frac{1}{4}$ gallons

26. $9\frac{3}{5}$ minutes = $\underline{\quad? \quad}$ seconds

27. $\underline{\quad? \quad}$ days = $17\frac{1}{2}$ weeks