

Homework Practice

Multiply Fractions

Multiply. Write in simplest form.

1. $\frac{3}{5} \times \frac{1}{2}$

2. $\frac{3}{4} \times \frac{2}{7}$

3. $10 \times \frac{1}{3}$

4. $-\frac{5}{8} \times 7$

5. $\frac{1}{7} \times \frac{7}{9}$

6. $-\frac{6}{11} \times \left(-\frac{1}{6}\right)$

7. $\frac{5}{6} \times \frac{1}{5}$

8. $\frac{1}{8} \times \frac{4}{5}$

9. $\frac{3}{8} \times \frac{8}{9}$

10. $\frac{4}{7} \times \frac{21}{32}$

11. $-\frac{5}{8} \times \frac{18}{25}$

12. $\frac{20}{21} \times \frac{3}{5}$

13. $3\frac{1}{5} \times \frac{3}{8}$

14. $\frac{2}{3} \times \left(-4\frac{1}{3}\right)$

15. $15 \times 2\frac{2}{5}$

16. $5\frac{1}{2} \times 4$

17. $8 \times 3\frac{3}{8}$

18. $10 \times 1\frac{1}{15}$

19. $5\frac{1}{4} \times \left(-4\frac{2}{3}\right)$

20. $2\frac{2}{7} \times 1\frac{1}{8}$

For Exercises 21 and 22, use measurement conversions.

21. Find $\frac{1}{10}$ of $\frac{1}{100}$ of a meter.

22. Find $\frac{1}{60}$ of $\frac{1}{60}$ of an hour.

For Exercises 23–25, evaluate each verbal expression.

23. one fourth of two thirds 24. three fifths of one sixth 25. two fifths of one half

26. GASOLINE Jamal filled his gas tank and then used $\frac{7}{16}$ of the tank for traveling to visit his grandfather. He then used $\frac{1}{3}$ of the remaining gas in the tank to run errands around town. What fraction of the tank is filled with gasoline?

27. HIKING A hiker averages $6\frac{3}{8}$ kilometers per hour. If he hikes for $5\frac{1}{3}$ hours, how many kilometers does he hike?