

Success Practice – Fluently Multiply Rational Numbers



Learning Target: I can fluently multiply positive and negative fractions.

Multiply. Express 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. $5\frac{1}{2} \times 4$

16. $8 \times 3\frac{3}{8}$

17. $5\frac{1}{4} \times \left(-4\frac{2}{3}\right)$

18. $2\frac{2}{7} \times 1\frac{1}{8}$

19. 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?

20. 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?
21. The weight of an object on Mars is about $\frac{2}{5}$ its weight on Earth. How much would an $80\frac{1}{2}$ -pound dog weigh on Mars?
22. The width of a vegetable garden is $\frac{1}{3}$ times its length. If the length of the garden is $7\frac{3}{4}$ feet, what is the width in simplest form?
23. One evening, $\frac{2}{3}$ of the students in Rick's class watched television. Of those students, $\frac{3}{8}$ watched a reality show. Of the students that watched the show $\frac{1}{4}$ of them recorded the show. What fraction of the students in Rick's class watched and recorded a reality TV show?