Multiplying and Dividing Fractions (J)

Find the value of each expression in lowest terms.

1. $\frac{4}{3} \times \frac{11}{12}$
2. $\frac{8}{3} \times \frac{1}{2}$
3. $\frac{3}{11} \times \frac{3}{4}$
4. $\frac{11}{9} \div \frac{5}{3}$
5. $\frac{3}{2} \div \frac{10}{7}$
6. $\frac{4}{7} \times \frac{3}{4}$
7. $\frac{1}{2} \times \frac{4}{3}$
8. $\frac{1}{2} \div \frac{14}{3}$
9. $\frac{3}{2} \div \frac{11}{2}$
10. $\frac{17}{11} \div \frac{3}{2}$
11. $\frac{9}{4} \times \frac{11}{10}$
12. $\frac{5}{2} \div \frac{9}{8}$
13. $\frac{7}{2} \div \frac{4}{7}$
14. $\frac{23}{11} \times \frac{3}{4}$
15. $\frac{14}{3} \times \frac{2}{3}$

Multiplying and Dividing Fractions (J) Answers

Find the value of each expression in lowest terms.

1. $\frac{4}{3} \times \frac{11}{12}$
$= \frac{11}{9} = 1\frac{2}{9}$

2. $\frac{8}{3} \times \frac{1}{2}$
$= \frac{4}{3} = 1\frac{1}{3}$

3. $\frac{3}{11} \times \frac{3}{4}$
$= \frac{9}{44}$

4. $\frac{11}{9} \div \frac{5}{3}$
$= \frac{11}{15}$

5. $\frac{3}{2} \div \frac{10}{7}$
$= \frac{21}{20} = 1\frac{1}{20}$

6. $\frac{4}{7} \times \frac{3}{4}$
$= \frac{3}{7}$

7. $\frac{1}{2} \times \frac{4}{3}$
$= \frac{2}{3}$

8. $\frac{1}{2} \div \frac{14}{3}$
$= \frac{3}{28}$

9. $\frac{3}{2} \div \frac{11}{2}$
$= \frac{3}{11}$

10. $\frac{17}{11} \div \frac{3}{2}$
$= \frac{34}{33} = 1\frac{1}{33}$

11. $\frac{9}{4} \times \frac{11}{10}$
$= \frac{99}{40} = 2\frac{19}{40}$

12. $\frac{5}{2} \div \frac{9}{8}$
$= \frac{20}{9} = 2\frac{2}{9}$

13. $\frac{7}{2} \div \frac{4}{7}$
$= \frac{49}{8} = 6\frac{1}{8}$

14. $\frac{23}{11} \times \frac{3}{4}$
$= \frac{69}{44} = 1\frac{25}{44}$

15. $\frac{14}{3} \times \frac{2}{3}$
$= \frac{28}{9} = 3\frac{1}{9}$