Multiply fractions and mixed numbers

Multiply. Write in simplest form.

1. $\frac{1}{4} \times \frac{3}{5}$

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

3. $\frac{1}{2} \times 12$

4. $2\frac{5}{8} \times \frac{2}{3}$

5. $\frac{2}{3} \times 3\frac{1}{4}$

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

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

8. $5\frac{1}{3} \times 2\frac{1}{4}$

9. $2\frac{1}{5} \times 1\frac{1}{4}$

10. **SPORTS** Of the sixth graders in a school, $\frac{4}{5}$ play at least one sport. Of those, $\frac{2}{3}$ play on a team. What fraction of the sixth graders play a sport on a team?

11. **AQUARIUM** A model of the ocean floor takes up $\frac{2}{5}$ of the space in an aquarium. If $\frac{3}{8}$ of the model is coral, what fraction of the space in the aquarium is taken up by coral?

12. **LANDSCAPING** A planter box in the city plaza measures $2\frac{2}{3}$ feet by $4\frac{1}{8}$ feet by $2\frac{1}{2}$ feet. Find the volume of the planter box. V=lwh