

Lesson 5.2 ~ Multiplying Fractions

Name _____ Period _____ Date _____

Find each product. Write your answer in simplest form.

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

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

3. $\frac{1}{3} \times \frac{5}{6}$

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

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

6. $\frac{3}{7} \times \frac{2}{9}$

7. $\frac{2}{3} \times \frac{9}{10}$

8. $\frac{1}{9} \times \frac{3}{4}$

9. $\frac{5}{6} \times \frac{3}{10}$

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

11. $\frac{3}{8} \times \frac{2}{9}$

12. $\frac{2}{15} \times \frac{5}{6}$

Students at McKenzie Middle School took a survey that looked at classes students enjoyed. The fraction of each grade that said they enjoyed a specific subject is shown in the table below. Use this information to solve each problem.

13. Mrs. Keyes found that $\frac{7}{8}$ of the sixth graders that said they enjoyed math had received high grades in math class. What fraction of the sixth graders received high grades and enjoyed math?

	6 th Grade	7 th Grade	8 th Grade
Math	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{5}{8}$
Science	$\frac{3}{5}$	$\frac{3}{8}$	$\frac{4}{5}$
Language Arts	$\frac{1}{2}$	$\frac{2}{5}$	$\frac{1}{8}$
Social Studies	$\frac{2}{3}$	$\frac{1}{6}$	$\frac{5}{6}$

14. Mr. Langliers found that $\frac{3}{4}$ of the eighth graders that said they enjoyed science had completed a science fair project. What fraction of the eighth graders did a science fair project and enjoyed science?

15. Mr. Randall found that $\frac{2}{5}$ of the sixth graders that said they enjoyed language arts also read at home. What fraction of the students read at home and enjoyed language arts?

16. Ms. Schultz found that $\frac{2}{3}$ of the seventh graders that said they enjoyed social studies also had traveled outside the state. What fraction of the seventh graders had traveled outside the state and enjoyed social studies?