

## DIVIDING FRACTIONS II

Of the five students who divided the fraction problems below, three made mistakes. Write the names of the students who made mistakes, describe their errors and record the correct solutions in the table.

| BRYNN   | ALLEN   | ROMAN   | DEMETRIUS  | PILAR  |
|---|---|---|--|--|
| $\frac{5}{6} \div \frac{2}{7}$ $\frac{5}{6} \cdot \frac{7}{2}$ $\frac{35}{12} = 2\frac{11}{12}$ | $2\frac{2}{3} \div 1\frac{1}{6}$ $\frac{8}{3} \div \frac{7}{6}$ $\frac{3}{8} \cdot \frac{6}{7}$ $\frac{18}{56}$ | $\frac{7}{8} \div \frac{2}{3}$ $\frac{7}{8} \cdot \frac{3}{2}$ $\frac{14}{24} = \frac{7}{12}$ | $1\frac{2}{7} \div \frac{1}{2}$ $\frac{9}{7} \div \frac{1}{2}$ $\frac{9}{7} \cdot \frac{2}{1}$ $\frac{18}{7} = 2\frac{4}{7}$ | $5\frac{1}{3} \div 1\frac{4}{5}$ $\frac{15}{3} \div \frac{20}{5}$ $\frac{15}{3} \cdot \frac{5}{20}$ $\frac{75}{60} = 1\frac{15}{60}$ |

| NAME | DESCRIBE THE MISTAKE | CORRECT THE SOLUTION |
|------|----------------------|----------------------|
| 1.   |                      |                      |
| 2.   |                      |                      |
| 3.   |                      |                      |

Use your understanding of dividing fractions to answer the problems below.

|   |   |
|---|---|
| <p>4. A piece of thread is <math>\frac{11}{12}</math> inches long. Jenny needs to cut the thread into <math>\frac{1}{6}</math> inch segments. How many segments can she cut?</p> <p style="text-align: center;">_____</p> | <p>5. Mrs. Mathewson would like to serve her guests <math>\frac{3}{16}</math> of a quart of orange juice. If she has <math>\frac{7}{8}</math> of a quart of orange juice, how many guests can she serve?</p> <p style="text-align: center;">_____</p> |
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