

Multiplying Fractions

Multiply the following fractions. Simplify your answers where necessary. Show ALL working.

$$1) \quad \frac{5}{6} \times \frac{2}{3} =$$

$$7) \quad \frac{3}{7} \times \frac{2}{5} =$$

$$2) \quad \frac{3}{5} \times \frac{2}{7} =$$

$$8) \quad \frac{3}{8} \times \frac{2}{6} =$$

$$3) \quad \frac{1}{2} \times \frac{3}{5} =$$

$$9) \quad \frac{1}{4} \times \frac{3}{4} =$$

$$4) \quad \frac{2}{3} \times \frac{5}{8} =$$

$$10) \quad \frac{3}{8} \times \frac{2}{5} =$$

$$5) \quad \frac{1}{4} \times \frac{2}{3} =$$

$$11) \quad \frac{3}{8} \times \frac{5}{6} =$$

$$6) \quad \frac{10}{11} \times \frac{1}{5} =$$

$$12) \quad \frac{3}{4} \times \frac{5}{6} =$$

Multiply the following fractions. Some should first be re-written as improper fractions. Simplify your answers where necessary. Show ALL working.

Example 1: $2\frac{2}{5} \times \frac{3}{7} = \frac{12}{5} \times \frac{3}{7} = \frac{36}{35} = 1\frac{1}{35}$

Example 2: $1\frac{3}{7} \times 3 = \frac{10}{7} \times \frac{3}{1} = \frac{30}{7} = 4\frac{2}{7}$

$$13) \quad 1\frac{2}{3} \times \frac{4}{5} =$$

$$15) \quad 3\frac{2}{5} \times 2 =$$

$$14) \quad 2\frac{1}{7} \times \frac{3}{4} =$$

$$16) \quad 2\frac{1}{4} \times 3 =$$

I affirm that this test was done under test conditions. Parent signature: _____

Multiplying Fractions - Answers

Do not give this to the student.

If the student does not reduce their final answer, don't mark it incorrect, but show them where they could have done so.

$$1) \quad \frac{5}{6} \times \frac{2}{3} = \frac{10}{18} = \frac{5}{9}$$

$$7) \quad \frac{3}{7} \times \frac{2}{5} = \frac{6}{35}$$

$$2) \quad \frac{3}{5} \times \frac{2}{7} = \frac{6}{35}$$

$$8) \quad \frac{3}{8} \times \frac{2}{6} = \frac{6}{48} = \frac{1}{8}$$

$$3) \quad \frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$$

$$9) \quad \frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$$

$$4) \quad \frac{2}{3} \times \frac{5}{8} = \frac{10}{24} = \frac{5}{12}$$

$$10) \quad \frac{3}{8} \times \frac{2}{5} = \frac{6}{40} = \frac{3}{20}$$

$$5) \quad \frac{1}{4} \times \frac{2}{3} = \frac{2}{12} = \frac{1}{6}$$

$$11) \quad \frac{3}{8} \times \frac{5}{6} = \frac{15}{48} = \frac{5}{16}$$

$$6) \quad \frac{10}{11} \times \frac{1}{5} = \frac{10}{55} = \frac{2}{11}$$

$$12) \quad \frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$$

$$13) \quad 1\frac{2}{3} \times \frac{4}{5} = \frac{5}{3} \times \frac{4}{5} = \frac{20}{15} = 1\frac{5}{15} = 1\frac{1}{3}$$

$$14) \quad 2\frac{1}{7} \times \frac{3}{4} = \frac{15}{7} \times \frac{3}{4} = \frac{45}{28} = 1\frac{17}{28}$$

$$15) \quad 3\frac{2}{5} \times 2 = \frac{17}{5} \times \frac{2}{1} = \frac{34}{5} = 6\frac{4}{5}$$

$$16) \quad 2\frac{1}{4} \times 3 = \frac{9}{4} \times \frac{3}{1} = \frac{27}{4} = 6\frac{3}{4}$$