

# Fractions: Multiplying Mixed Numbers

Date:

Name:

Solve each problem below. Where appropriate, simplify fully, and rename improper fractions as mixed numbers.

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[a]

$$2\frac{2}{5} \times 3\frac{2}{9} =$$

[b]

$$5\frac{1}{5} \times 3\frac{2}{9} =$$

[c]

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

[d]

$$5\frac{1}{4} \times 7\frac{3}{7} =$$

[e]

$$2\frac{5}{8} \times 2\frac{2}{7} =$$

[f]

$$3\frac{1}{5} \times 3\frac{3}{9} =$$

[g]

$$1\frac{3}{4} \times 5\frac{5}{7} =$$

[h]

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

# ANSWERS

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Solve each problem below. Where appropriate, simplify fully, and rename improper fractions as mixed numbers.

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[a]

$$2\frac{2}{5} \times 3\frac{2}{9} = \frac{116}{15} = 7\frac{11}{15}$$

[b]

$$5\frac{1}{5} \times 3\frac{2}{9} = \frac{754}{45} = 16\frac{34}{45}$$

[c]

$$3\frac{2}{5} \times 5\frac{3}{7} = \frac{646}{35} = 18\frac{16}{35}$$

[d]

$$5\frac{1}{4} \times 7\frac{3}{7} = \frac{39}{1} = 39\frac{0}{1}$$

[e]

$$2\frac{5}{8} \times 2\frac{2}{7} = \frac{6}{1} = 6\frac{0}{1}$$

[f]

$$3\frac{1}{5} \times 3\frac{3}{9} = \frac{32}{3} = 10\frac{2}{3}$$

[g]

$$1\frac{3}{4} \times 5\frac{5}{7} = \frac{10}{1} = 10\frac{0}{1}$$

[h]

$$2\frac{3}{4} \times 3\frac{1}{9} = \frac{77}{9} = 8\frac{5}{9}$$