

# 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]

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

[b]

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

[c]

$$3\frac{3}{4} \times 6\frac{4}{7} =$$

[d]

$$4\frac{3}{4} \times 8\frac{4}{7} =$$

[e]

$$1\frac{4}{7} \times 3\frac{5}{8} =$$

[f]

$$2\frac{1}{7} \times 3\frac{2}{10} =$$

[g]

$$2\frac{1}{4} \times 5\frac{1}{7} =$$

[h]

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

# ANSWERS

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[a]

$$1\frac{1}{4} \times 3\frac{5}{7} = \frac{65}{14} = 4\frac{9}{14}$$

[b]

$$4\frac{1}{4} \times 3\frac{3}{7} = \frac{102}{7} = 14\frac{4}{7}$$

[c]

$$3\frac{3}{4} \times 6\frac{4}{7} = \frac{345}{14} = 24\frac{9}{14}$$

[d]

$$4\frac{3}{4} \times 8\frac{4}{7} = \frac{285}{7} = 40\frac{5}{7}$$

[e]

$$1\frac{4}{7} \times 3\frac{5}{8} = \frac{319}{56} = 5\frac{39}{56}$$

[f]

$$2\frac{1}{7} \times 3\frac{2}{10} = \frac{48}{7} = 6\frac{6}{7}$$

[g]

$$2\frac{1}{4} \times 5\frac{1}{7} = \frac{81}{7} = 11\frac{4}{7}$$

[h]

$$2\frac{3}{5} \times 2\frac{4}{9} = \frac{286}{45} = 6\frac{16}{45}$$