

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]

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

[b]

$$6\frac{1}{4} \times 2\frac{2}{9} =$$

[c]

$$3\frac{3}{5} \times 5\frac{5}{8} =$$

[d]

$$4\frac{1}{4} \times 6\frac{1}{7} =$$

[e]

$$2\frac{5}{8} \times 3\frac{1}{7} =$$

[f]

$$4\frac{2}{6} \times 3\frac{5}{10} =$$

[g]

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

[h]

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

ANSWERS

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[a]

$$2\frac{1}{5} \times 2\frac{4}{9} = \frac{242}{45} = 5\frac{17}{45}$$

[b]

$$6\frac{1}{4} \times 2\frac{2}{9} = \frac{125}{9} = 13\frac{8}{9}$$

[c]

$$3\frac{3}{5} \times 5\frac{5}{8} = \frac{81}{4} = 20\frac{1}{4}$$

[d]

$$4\frac{1}{4} \times 6\frac{1}{7} = \frac{731}{28} = 26\frac{3}{28}$$

[e]

$$2\frac{5}{8} \times 3\frac{1}{7} = \frac{33}{4} = 8\frac{1}{4}$$

[f]

$$4\frac{2}{6} \times 3\frac{5}{10} = \frac{91}{6} = 15\frac{1}{6}$$

[g]

$$2\frac{1}{5} \times 5\frac{2}{9} = \frac{517}{45} = 11\frac{22}{45}$$

[h]

$$1\frac{1}{5} \times 2\frac{3}{9} = \frac{14}{5} = 2\frac{4}{5}$$