

Name: L02

Date: 10-23-20

Lesson 3.5 Adding Mixed Numbers

Add. Express each sum in simplest form.

1.

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

2.

$$1\frac{1}{3} + 3\frac{1}{12} = 4\frac{5}{12}$$

3.

$$1\frac{10}{24} + 3\frac{7}{8} = 5\frac{13}{24}$$

4.

$$1\frac{5}{9} + 1\frac{3}{4} = 3\frac{11}{36}$$

5.

$$2\frac{11}{12} + 4\frac{7}{8} = 7\frac{19}{24}$$

6.

$$3\frac{2}{3} + 2\frac{7}{10} = 6\frac{11}{30}$$

$$\frac{11}{12} \times 2 = \frac{22}{24}$$

$$\frac{7}{8} \times 3 = \frac{21}{24}$$

$$\frac{2}{3} \times 10 = \frac{20}{30}$$

$$\frac{7}{10} \times 3 = \frac{21}{30}$$

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Estimate each sum by rounding to the nearest half or whole number.

7.

$$1\frac{4}{5} + 1\frac{1}{2}$$

$$\approx 4$$

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$$2 + 2 = 4$$

8.

$$4\frac{3}{4} + 5\frac{7}{10}$$

$$\approx 11\frac{10}{20}$$

$$\frac{4}{4} \times 5 = \frac{20}{20}$$

$$\frac{5}{10} \times 2 = \frac{10}{20}$$

9.

$$1\frac{3}{8} + 2\frac{1}{7}$$

$$\approx 3\frac{36}{56}$$

$$\frac{4}{8} \times 7 = \frac{28}{56}$$

$$\frac{1}{7} \times 8 = \frac{8}{56}$$

10.

$$2\frac{2}{3} + 4\frac{5}{7}$$

$$\approx 8\frac{9}{21}$$

$$\frac{3}{3} \times 7 = \frac{21}{21}$$

$$\frac{3}{7} \times 3 = \frac{9}{21}$$

11.

$$3\frac{7}{12} + 2\frac{5}{6}$$

$$\approx 6\frac{7}{12}$$

$$\frac{6}{6} \times 2 = \frac{12}{12}$$

12.

$$9\frac{2}{9} + 10\frac{2}{11}$$

$$\approx 19\frac{60}{99}$$

$$\frac{3}{9} \times 11 = \frac{33}{99}$$

$$\frac{3}{11} \times 9 = \frac{27}{99}$$