math Antics
Exercises

Name:

Date:

Adding Mixed Numbers

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

2 $1\frac{3}{8} + 11$

3 $1\frac{1}{5} + \frac{3}{5}$

4 $\frac{1}{4} + 4\frac{3}{4}$

5 $6\frac{1}{8} + 3\frac{3}{8}$

6 $4\frac{5}{8} + 1\frac{4}{8}$

7 $2\frac{1}{3} + 3\frac{5}{6}$

8
$$\begin{array}{r} 4\frac{2}{3} \\ +\ 5\frac{2}{5} \\ \hline \end{array}$$

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Exercises

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Adding Mixed Numbers

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

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

2 $1\frac{3}{8} + 11$

$= 1 + 11 + \frac{3}{8} = 12\frac{3}{8}$

3 $1\frac{1}{5} + \frac{3}{5}$

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

4 $\frac{1}{4} + 4\frac{3}{4}$

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

$= 4 + 1 = 5$

5 $6\frac{1}{8} + 3\frac{3}{8}$

$= 6 + 3 + \frac{1}{8} + \frac{3}{8}$

$= 9 + \frac{4}{8} = 9\frac{1}{2}$

6 $4\frac{5}{8} + 1\frac{4}{8}$

$= 4 + 1 + \frac{5}{8} + \frac{4}{8}$

$= 5 + \frac{9}{8} = 5 + \frac{8}{8} + \frac{1}{8}$

$= 5 + 1 + \frac{1}{8} = 6\frac{1}{8}$

7 $2\frac{1}{3} + 3\frac{5}{6}$

$= 2 + 3 + \frac{1}{3} + \frac{5}{6}$

$= 5 + \left(\frac{2}{2}\right)\frac{1}{3} + \frac{5}{6}$

$= 5 + \frac{2}{6} + \frac{5}{6}$

$= 5 + \frac{7}{6}$

$= 5 + \frac{6}{6} + \frac{1}{6} = 6\frac{1}{6}$

8 $4\frac{2}{3}\left(\frac{5}{5}\right) + 5\frac{2}{5}\left(\frac{3}{3}\right)$ $\quad 4\frac{10}{15} + 5\frac{6}{15}$

$9\frac{16}{15}$

$= 9 + \frac{15}{15} + \frac{1}{15}$

$= 9 + 1 + \frac{1}{15}$

$= 10\frac{1}{15}$

See Video for step-by-step solutions to each problem.

math Antics Worksheets

Name: _____

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Adding Mixed Numbers to Whole Numbers or Fractions

F-AMN 1

Instructions: Add these mixed numbers, whole numbers and fractions.

1 $3\frac{2}{9} + 5$

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

$= 8\frac{2}{9}$

2 $\frac{1}{7} + 6\frac{5}{7}$

$= 6 + \frac{1}{7} + \frac{5}{7}$

$= 6\frac{6}{7}$

3 $\frac{1}{3} + 5\frac{1}{3}$

4 $4 + 6\frac{1}{9}$

5 $1\frac{1}{8} + 1$

6 $2\frac{4}{10} + \frac{3}{10}$

7 $20 + 3\frac{5}{6}$

8 $7\frac{5}{12} + 7$

9 $\frac{1}{7} + 4 + 1\frac{2}{7}$

10 $7 + 3\frac{1}{5} + 10$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with like fractions)

F-AMN 2

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

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

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

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

2 $2\frac{1}{4} + 5\frac{3}{4}$

$= 2 + 5 + \frac{1}{4} + \frac{3}{4}$

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

3 $3\frac{4}{9} + 3\frac{1}{9}$

4 $8\frac{1}{3} + 2\frac{1}{3}$

5 $10\frac{1}{8} + 1\frac{3}{8}$

6 $1\frac{6}{10} + 3\frac{4}{10}$

7 $7\frac{3}{12} + 8\frac{5}{12}$

8 $4\frac{1}{9} + 8\frac{5}{9}$

9 $1\frac{1}{8} + 2\frac{2}{8} + 3\frac{3}{8}$

10 $2\frac{1}{3} + 3\frac{1}{3} + 4\frac{1}{3}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with answers that need regrouping)

F-AMN 3

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

1 $2\frac{4}{5} + 1\frac{3}{5}$

$= 2 + 1 + \frac{4}{5} + \frac{3}{5}$

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

$= 3 + 1 + \frac{2}{5} = 4\frac{2}{5}$

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

3 $3\frac{3}{8} + 2\frac{6}{8}$

4 $9\frac{3}{5} + 5\frac{3}{5}$

5 $5\frac{9}{10} + 5\frac{4}{10}$

6 $7\frac{2}{3} + 1\frac{4}{3}$

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

8 $2\frac{5}{6} + 1\frac{2}{6}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with un-like fractions)

F-AMN 4

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

1 $3\frac{2}{3} + 6\frac{1}{4}$

$= 3 + 6 + \left(\frac{4}{4}\right)\frac{2}{3} + \frac{1}{4}\left(\frac{3}{3}\right)$

$= 9 + \frac{8}{12} + \frac{3}{12} = 9\frac{11}{12}$

2 $1\frac{2}{3} + 5\frac{1}{5}$

3 $4\frac{1}{2} + 3\frac{1}{8}$

4 $7\frac{3}{4} + 2\frac{1}{3}$

5 $1\frac{2}{3} + 5\frac{1}{2}$

6 $5\frac{1}{6} + 5\frac{1}{2}$

7 $3\frac{3}{10} + 1\frac{1}{2}$

8 $6\frac{7}{9} + 10\frac{2}{3}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (stacked format)

F-AMN 5

Instructions: Add these mixed numbers. In some problems, you may need to convert to like-fractions. Regroup and/or simlify your answers if possible.

1. $7\frac{1}{5} + 2\frac{3}{5}$

2. $4\frac{1}{2} + 1\frac{3}{4}$

3. $8\frac{2}{5} + 2\frac{1}{3}$

4. $3\frac{1}{2} + 4\frac{3}{7}$

5. $12\frac{3}{8} + 3\frac{3}{8}$

6. $1\frac{7}{8} + 1\frac{1}{2}$

7. $9\frac{1}{10} + 4\frac{7}{10}$

8. $10\frac{1}{3} + 1\frac{2}{3}$

9. $4\frac{5}{6} + 4\frac{1}{2}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers to Whole Numbers or Fractions

F-AMN 1

Instructions: Add these mixed numbers, whole numbers and fractions.

1 $3\frac{2}{9} + 5$

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

$= 8\frac{2}{9}$

2 $\frac{1}{7} + 6\frac{5}{7}$

$= 6 + \frac{1}{7} + \frac{5}{7}$

$= 6\frac{6}{7}$

3 $\frac{1}{3} + 5\frac{1}{3}$

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

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

4 $4 + 6\frac{1}{9}$

$= 4 + 6 + \frac{1}{9}$

$= 10\frac{1}{9}$

5 $1\frac{1}{8} + 1$

$= 1 + 1 + \frac{1}{8}$

$= 2\frac{1}{8}$

6 $2\frac{4}{10} + \frac{3}{10}$

$= 2 + \frac{4}{10} + \frac{3}{10}$

$= 2\frac{7}{10}$

7 $20 + 3\frac{5}{6}$

$= 20 + 3 + \frac{5}{6}$

$= 23\frac{5}{6}$

8 $7\frac{5}{12} + 7$

$= 7 + 7 + \frac{5}{12}$

$= 14\frac{5}{12}$

9 $\frac{1}{7} + 4 + 1\frac{2}{7}$

$= 4 + 1 + \frac{1}{7} + \frac{2}{7}$

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

10 $7 + 3\frac{1}{5} + 10$

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

$= 20\frac{1}{5}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with like fractions)

F-AMN 2

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

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

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

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

2 $2\frac{1}{4} + 5\frac{3}{4}$

$= 2 + 5 + \frac{1}{4} + \frac{3}{4}$

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

3 $3\frac{4}{9} + 3\frac{1}{9}$

$= 3 + 3 + \frac{4}{9} + \frac{1}{9}$

$= 6\frac{5}{9}$

4 $8\frac{1}{3} + 2\frac{1}{3}$

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

$= 10\frac{2}{3}$

5 $10\frac{1}{8} + 1\frac{3}{8}$

$= 10 + 1 + \frac{1}{8} + \frac{3}{8}$

$= 11\frac{4}{8} = 11\frac{1}{2}$

6 $1\frac{6}{10} + 3\frac{4}{10}$

$= 1 + 3 + \frac{6}{10} + \frac{4}{10}$

$= 4\frac{10}{10} = 5$

7 $7\frac{3}{12} + 8\frac{5}{12}$

$= 7 + 8 + \frac{3}{12} + \frac{5}{12}$

$= 15\frac{8}{12} = 15\frac{2}{3}$

8 $4\frac{1}{9} + 8\frac{5}{9}$

$= 4 + 8 + \frac{1}{9} + \frac{5}{9}$

$= 12\frac{6}{9} = 12\frac{2}{3}$

9 $1\frac{1}{8} + 2\frac{2}{8} + 3\frac{3}{8}$

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

$= 6\frac{6}{8} = 6\frac{3}{4}$

10 $2\frac{1}{3} + 3\frac{1}{3} + 4\frac{1}{3}$

$= 2 + 3 + 4 + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

$= 9\frac{3}{3} = 10$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with answers that need regrouping)

F-AMN 3

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

1 $2\frac{4}{5} + 1\frac{3}{5}$

$= 2 + 1 + \frac{4}{5} + \frac{3}{5}$

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

$= 3 + 1 + \frac{2}{5} = 4\frac{2}{5}$

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

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

$= 8 + \frac{8}{7} = 8 + \frac{7}{7} + \frac{1}{7}$

$= 8 + 1 + \frac{1}{7} = 9\frac{1}{7}$

3 $3\frac{3}{8} + 2\frac{6}{8}$

$= 3 + 2 + \frac{3}{8} + \frac{6}{8}$

$= 5 + \frac{9}{8} = 5 + \frac{8}{8} + \frac{1}{8}$

$= 5 + 1 + \frac{1}{8} = 6\frac{1}{8}$

4 $9\frac{3}{5} + 5\frac{3}{5}$

$= 9 + 5 + \frac{3}{5} + \frac{3}{5}$

$= 14 + \frac{6}{5} = 14 + \frac{5}{5} + \frac{1}{5}$

$= 14 + 1 + \frac{1}{5} = 15\frac{1}{5}$

5 $5\frac{9}{10} + 5\frac{4}{10}$

$= 5 + 5 + \frac{9}{10} + \frac{4}{10}$

$= 10 + \frac{13}{10} = 10 + \frac{10}{10} + \frac{3}{10}$

$= 10 + 1 + \frac{3}{10} = 11\frac{3}{10}$

6 $7\frac{2}{3} + 1\frac{4}{3}$

$= 7 + 1 + \frac{2}{3} + \frac{4}{3}$

$= 8 + \frac{6}{3} = 8 + \frac{3}{3} + \frac{3}{3}$

$= 8 + 1 + 1 = 10$

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

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

$= 6 + \frac{10}{8} = 6 + \frac{8}{8} + \frac{2}{8}$

$= 6 + 1 + \frac{2}{8} = 7\frac{2}{8} = 7\frac{1}{4}$

8 $2\frac{5}{6} + 1\frac{2}{6}$

$= 2 + 1 + \frac{5}{6} + \frac{2}{6}$

$= 3 + \frac{7}{6} = 3 + \frac{6}{6} + \frac{1}{6}$

$= 3 + 1 + \frac{1}{6} = 4\frac{1}{6}$

math Antics Worksheets

Name: _____

Date: _____

Adding Mixed Numbers (with un-like fractions)

F-AMN 4

Instructions: Add these mixed numbers. Regroup and/or simlify your answers if possible.

1 $3\frac{2}{3} + 6\frac{1}{4}$

$= 3 + 6 + \left(\frac{4}{4}\right)\frac{2}{3} + \frac{1}{4}\left(\frac{3}{3}\right)$

$= 9 + \frac{8}{12} + \frac{3}{12} = 9\frac{11}{12}$

2 $1\frac{2}{3} + 5\frac{1}{5}$

$= 1 + 5 + \left(\frac{5}{5}\right)\frac{2}{3} + \frac{1}{5}\left(\frac{3}{3}\right)$

$= 6 + \frac{10}{15} + \frac{3}{15} = 6\frac{13}{15}$

3 $4\frac{1}{2} + 3\frac{1}{8}$

$= 4 + 3 + \left(\frac{4}{4}\right)\frac{1}{2} + \frac{1}{8}$

$= 7 + \frac{4}{8} + \frac{1}{8} = 7\frac{5}{8}$

4 $7\frac{3}{4} + 2\frac{1}{3}$

$= 7 + 2 + \left(\frac{3}{3}\right)\frac{3}{4} + \frac{1}{3}\left(\frac{4}{4}\right)$

$= 9 + \frac{9}{12} + \frac{4}{12} = 9\frac{13}{12}$

$= 9 + \frac{12}{12} + \frac{1}{12} = 10\frac{1}{12}$

5 $1\frac{2}{3} + 5\frac{1}{2}$

$= 1 + 5 + \left(\frac{2}{2}\right)\frac{2}{3} + \frac{1}{2}\left(\frac{3}{3}\right)$

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

$= 6 + \frac{6}{6} + \frac{1}{6} = 7\frac{1}{6}$

6 $5\frac{1}{6} + 5\frac{1}{2}$

$= 5 + 5 + \frac{1}{6} + \frac{1}{2}\left(\frac{3}{3}\right)$

$= 10 + \frac{1}{6} + \frac{3}{6} = 10\frac{4}{6} = 10\frac{2}{3}$

7 $3\frac{3}{10} + 1\frac{1}{2}$

$= 3 + 1 + \frac{3}{10} + \frac{1}{2}\left(\frac{5}{5}\right)$

$= 4 + \frac{3}{10} + \frac{5}{10} = 4\frac{8}{10}$

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

8 $6\frac{7}{9} + 10\frac{2}{3}$

$= 6 + 10 + \frac{7}{9} + \frac{2}{3}\left(\frac{3}{3}\right)$

$= 16 + \frac{7}{9} + \frac{6}{9} = 16\frac{13}{9}$

$= 16 + \frac{9}{9} + \frac{4}{9} = 17\frac{4}{9}$

math Antics Worksheets

Name:

Date:

Adding Mixed Numbers (stacked format)

F-AMN 5

Instructions: Add these mixed numbers. In some problems, you may need to convert to like-fractions. Regroup and/or simlify your answers if possible.

1

$$7\frac{1}{5} + 2\frac{3}{5} = 9\frac{4}{5}$$

2

$$4\frac{1}{2}\left(\frac{2}{2}\right) + 1\frac{3}{4} \quad 4\frac{2}{4} + 1\frac{3}{4} = 5\frac{5}{4}$$

regroup

$$= 5 + \frac{4}{4} + \frac{1}{4} = 6\frac{1}{4}$$

3

$$8\frac{2}{5}\left(\frac{3}{3}\right) + 2\frac{1}{3}\left(\frac{5}{5}\right) \quad 8\frac{6}{15} + 2\frac{5}{15} = 10\frac{11}{15}$$

4

$$3\frac{1}{2}\left(\frac{7}{7}\right) + 4\frac{3}{7}\left(\frac{2}{2}\right) \quad 3\frac{7}{14} + 4\frac{6}{14} = 7\frac{13}{14}$$

5

$$12\frac{3}{8} + 3\frac{3}{8} = 15\frac{6}{8} = 15\frac{3}{4}$$

6

$$1\frac{7}{8} + 1\frac{1}{2}\left(\frac{4}{4}\right) \quad 1\frac{7}{8} + 1\frac{4}{8} = 2\frac{11}{8}$$

regroup

$$= 2 + \frac{8}{8} + \frac{3}{8} = 3\frac{3}{8}$$

7

$$9\frac{1}{10} + 4\frac{7}{10} = 13\frac{8}{10} = 13\frac{4}{5}$$

8

$$10\frac{1}{3} + 1\frac{2}{3} = 11\frac{3}{3} = 12$$

9

$$4\frac{5}{6} + 4\frac{1}{2}\left(\frac{3}{3}\right) \quad 4\frac{5}{6} + 4\frac{3}{6} = 8\frac{8}{6}$$

regroup

$$= 8 + \frac{6}{6} + \frac{2}{6} = 9\frac{2}{6} = 9\frac{1}{3}$$