

Name: _____

Score: _____

Adding Mixed Numbers: 7 [A]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed		simplify	+/- common	decimals revision

Adding Mixed Numbers:

The addition of mixed numbers should be written vertically.
For example:

$$\begin{array}{r} 3 \frac{1}{5} \\ + 2 \frac{3}{5} \\ \hline 5 \frac{4}{5} \end{array}$$

...and with regrouping:

$$\begin{array}{r} 2 \frac{4}{5} \\ + 3 \frac{3}{5} \\ \hline \cancel{5} \frac{7}{5} 6 \frac{2}{5} \end{array}$$

Add the fractions

1) $2 \frac{3}{8}$
+ $5 \frac{6}{8}$

3) $4 \frac{5}{6}$
+ $3 \frac{2}{6}$

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

7) $3 \frac{5}{10}$
+ $5 \frac{6}{10}$

2) $3 \frac{5}{6}$
+ $4 \frac{1}{6}$

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Equivalent fractions

9) $\frac{6}{8} = \frac{30}{40}$

10) $\frac{5}{6} = \frac{30}{36}$

= $\frac{6}{8}$

= $\frac{6}{6}$

Multiplying

17) $\frac{4}{6}$ of 30 = _____ 18) $\frac{2}{5}$ of 10 = _____

18) $\frac{2}{5}$ of 25 = _____ 22) $\frac{2}{5}$ of 30 = _____

19) $\frac{2}{7}$ of 28 = _____ 23) $\frac{2}{3}$ of 15 = _____

20) $\frac{1}{4}$ of 48 = _____ 24) $\frac{4}{6}$ of 24 = _____

21) $32 \times \frac{1}{4} =$ _____ 25) $12 \times \frac{1}{6} =$ _____

26) $24 \times \frac{1}{4} =$ _____ 30) $30 \times \frac{1}{5} =$ _____

27) $28 \times \frac{2}{7} =$ _____ 31) $24 \times \frac{3}{4} =$ _____

28) $18 \times \frac{1}{2} =$ _____ 32) $21 \times \frac{5}{7} =$ _____

Insert <, > or =

33) $\frac{1}{6}$ _____ $\frac{5}{9}$

35) $\frac{2}{3}$ _____ $\frac{1}{3}$

37) $\frac{1}{4}$ _____ $\frac{2}{4}$

39) $\frac{3}{5}$ _____ $\frac{1}{6}$

34) $\frac{3}{12}$ _____ $\frac{4}{9}$

36) $\frac{1}{6}$ _____ $\frac{6}{9}$

38) $\frac{1}{4}$ _____ $\frac{3}{6}$

40) $\frac{3}{9}$ _____ $\frac{4}{6}$

This worksheet is part of the Professor Pete's Classroom eBook "Bring It On! Fraction Worksheets". The recommended teaching sequence is shown in the bar at the top of this sheet.

Name: _____

Score: _____

Adding Mixed Numbers: 7 [B]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed	simplify	+/- common	decimals	revision

Add the fractions

$$\begin{array}{r} 1) \quad 2\frac{2}{3} \\ + \quad 3\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 2\frac{1}{6} \\ + \quad 3\frac{4}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 5\frac{1}{4} \\ + \quad 3\frac{2}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 3\frac{5}{6} \\ + \quad 1\frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2\frac{6}{10} \\ + \quad 4\frac{5}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 2\frac{5}{12} \\ + \quad 2\frac{9}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3\frac{4}{10} \\ + \quad 3\frac{6}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 2\frac{3}{5} \\ + \quad 3\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 1\frac{2}{9} \\ + \quad 1\frac{5}{9} \\ \hline \end{array}$$

$$6) \quad 4\frac{7}{7}$$

$$9) \quad 4\frac{3}{3}$$

$$12) \quad 7\frac{2}{2}$$

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Equivalent fractions

$$13) \quad \frac{2}{3} = \frac{4}{6}$$

$$14) \quad \frac{1}{4} = \frac{7}{28}$$

Multiplying

$$21) \quad \frac{2}{5} \text{ of } 3 = \underline{\hspace{2cm}}$$

$$22) \quad \frac{4}{5} \text{ of } 40 = \underline{\hspace{2cm}}$$

$$25) \quad \frac{2}{9} \text{ of } 45 = \underline{\hspace{2cm}}$$

$$23) \quad \frac{2}{3} \text{ of } 27 = \underline{\hspace{2cm}}$$

$$26) \quad \frac{5}{10} \text{ of } 40 = \underline{\hspace{2cm}}$$

$$28) \quad 20 \times \frac{8}{10} = \underline{\hspace{2cm}}$$

$$31) \quad 30 \times \frac{5}{6} = \underline{\hspace{2cm}}$$

$$29) \quad 24 \times \frac{3}{8} = \underline{\hspace{2cm}}$$

$$32) \quad 12 \times \frac{1}{2} = \underline{\hspace{2cm}}$$

Insert <, > or =

$$33) \quad \frac{3}{9} \underline{\hspace{0.5cm}} \frac{1}{12}$$

$$36) \quad \frac{2}{9} \underline{\hspace{0.5cm}} \frac{3}{9}$$

$$39) \quad \frac{3}{6} \underline{\hspace{0.5cm}} \frac{2}{3}$$

$$42) \quad \frac{1}{4} \underline{\hspace{0.5cm}} \frac{4}{5}$$

$$34) \quad \frac{2}{3} \underline{\hspace{0.5cm}} \frac{6}{12}$$

$$37) \quad \frac{1}{3} \underline{\hspace{0.5cm}} \frac{5}{6}$$

$$40) \quad \frac{2}{4} \underline{\hspace{0.5cm}} \frac{1}{4}$$

$$43) \quad \frac{3}{5} \underline{\hspace{0.5cm}} \frac{6}{10}$$

$$35) \quad \frac{1}{9} \underline{\hspace{0.5cm}} \frac{1}{3}$$

$$38) \quad \frac{4}{6} \underline{\hspace{0.5cm}} \frac{6}{9}$$

$$41) \quad \frac{2}{3} \underline{\hspace{0.5cm}} \frac{2}{4}$$

$$44) \quad \frac{1}{3} \underline{\hspace{0.5cm}} \frac{1}{3}$$

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Name: _____

Score: _____

Subtracting Mixed Numbers: 7 [C]



x	equivalent	compare	+/- mixed	adv decimals
imp/mixed	simplify	+/- common	decimals	revision

Subtracting Mixed Numbers:

The subtraction of mixed numbers should be written vertically.
For example:

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

...and with regrouping:

$$\begin{array}{r} \cancel{5} \frac{2}{6} \quad 4 \frac{8}{5} \\ + 3 \frac{3}{6} \\ \hline 1 \frac{5}{6} \end{array}$$

Subtract the fractions

1)
$$\begin{array}{r} 5 \frac{3}{4} \\ - 3 \frac{2}{4} \\ \hline \end{array}$$

3)
$$\begin{array}{r} 7 \frac{2}{4} \\ - 4 \frac{3}{4} \\ \hline \end{array}$$

5)
$$\begin{array}{r} 4 \frac{2}{4} \\ - 3 \frac{3}{4} \\ \hline \end{array}$$

7)
$$\begin{array}{r} 7 \frac{2}{4} \\ - 4 \frac{3}{4} \\ \hline \end{array}$$

2)
$$\begin{array}{r} 5 \frac{1}{12} \\ - 3 \frac{10}{12} \\ \hline \end{array}$$

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Equivalent fractions

9) $\frac{3}{5} = \frac{2}{\quad}$

10) $\frac{1}{\quad} = \frac{2}{10}$

$= \frac{9}{\quad}$

$= \frac{10}{\quad}$

Multiplying

17) $\frac{1}{7}$ of 21 = _____ 8 of 24 = _____

18) $\frac{2}{4}$ of 24 = _____ 22) $\frac{1}{8}$ of 16 = _____

19) $\frac{2}{5}$ of 30 = _____ 23) $\frac{7}{10}$ of 10 = _____

20) $\frac{1}{2}$ of 18 = _____ 24) $\frac{1}{5}$ of 45 = _____

25) $30 \div 6 = \underline{\quad}$ 40 $\div 8 = \underline{\quad}$

26) $20 \times \frac{5}{10} = \underline{\quad}$ 30) $10 \times \frac{6}{10} = \underline{\quad}$

27) $16 \times \frac{5}{8} = \underline{\quad}$ 31) $20 \times \frac{1}{4} = \underline{\quad}$

28) $42 \times \frac{3}{6} = \underline{\quad}$ 32) $10 \times \frac{4}{5} = \underline{\quad}$

Insert <, > or =

33) $\frac{2}{6} \underline{\quad} \frac{7}{12}$

35) $\frac{15}{6} \underline{\quad} 2 \frac{2}{6}$

37) $\frac{2}{5} \underline{\quad} \frac{2}{3}$

39) $\frac{1}{4} \underline{\quad} \frac{2}{3}$

34) $\frac{1}{3} \underline{\quad} \frac{3}{6}$

36) $\frac{7}{12} \underline{\quad} \frac{1}{6}$

38) $3 \frac{2}{5} \underline{\quad} \frac{16}{5}$

40) $\frac{3}{5} \underline{\quad} \frac{1}{6}$

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