

Name: _____

Score: _____

Improper and Mixed Numbers: 2 [A]



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

Converting Mixed Numbers to Improper Fractions:

- The denominator shows how many fractional parts are in one whole.
- Multiply that denominator by the whole number.
- Add that to the number of fractional parts (numerator).
- Together they tell you the numerator in the improper fraction.

$2 \frac{3}{5}$ each whole has 5 fifths
 so 2 wholes are 2x5 fifths or 10
 fifths then add in the 3 fifths

$$\frac{5}{5} + \frac{5}{5} + \frac{3}{5} = \frac{13}{5} \quad \text{or} \quad (2 \times \frac{5}{5}) + \frac{3}{5} = \frac{13}{5}$$

Mixed numbers to improper fractions

- 1) $1 \frac{3}{4} = \frac{\quad}{\quad}$ 6) $5 \frac{5}{6} = \frac{\quad}{\quad}$ 11) $3 \frac{4}{8} = \frac{\quad}{\quad}$ 16) $3 \frac{2}{5} = \frac{\quad}{\quad}$
 2) $3 \frac{2}{6} = \frac{\quad}{\quad}$ 7) $6 \frac{1}{1} = \frac{\quad}{\quad}$ 12) $1 \frac{4}{4} = \frac{\quad}{\quad}$ 17) $4 \frac{1}{1} = \frac{\quad}{\quad}$
 3) $4 \frac{1}{3} = \frac{\quad}{\quad}$ 13) $2 \frac{2}{2} = \frac{\quad}{\quad}$ 18) $1 \frac{1}{1} = \frac{\quad}{\quad}$
 4) $1 \frac{4}{5} = \frac{\quad}{\quad}$ 14) $2 \frac{3}{3} = \frac{\quad}{\quad}$ 19) $3 \frac{2}{2} = \frac{\quad}{\quad}$
 5) $2 \frac{2}{4} = \frac{\quad}{\quad}$ 15) $4 \frac{1}{1} = \frac{\quad}{\quad}$ 20) $5 \frac{1}{1} = \frac{\quad}{\quad}$

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- Then writ

$\frac{11}{4}$

Improper fractions to mixed numbers

- 21) $\frac{11}{4} = \frac{\quad}{\quad}$ 26) $\frac{13}{5} = \frac{\quad}{\quad}$ 31) $\frac{14}{3} = \frac{\quad}{\quad}$ 36) $\frac{8}{3} = \frac{\quad}{\quad}$
 22) $\frac{14}{3} = \frac{\quad}{\quad}$ 27) $\frac{15}{4} = \frac{\quad}{\quad}$ 32) $\frac{5}{2} = \frac{\quad}{\quad}$ 37) $\frac{13}{4} = \frac{\quad}{\quad}$
 23) $\frac{11}{5} = \frac{\quad}{\quad}$ 28) $\frac{7}{3} = \frac{\quad}{\quad}$ 33) $\frac{11}{2} = \frac{\quad}{\quad}$ 38) $\frac{6}{4} = \frac{\quad}{\quad}$
 24) $\frac{16}{5} = \frac{\quad}{\quad}$ 29) $\frac{12}{5} = \frac{\quad}{\quad}$ 34) $\frac{10}{4} = \frac{\quad}{\quad}$ 39) $\frac{17}{5} = \frac{\quad}{\quad}$
 25) $\frac{19}{5} = \frac{\quad}{\quad}$ 30) $\frac{18}{4} = \frac{\quad}{\quad}$ 35) $\frac{19}{4} = \frac{\quad}{\quad}$ 40) $\frac{14}{6} = \frac{\quad}{\quad}$

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Name: _____

Score: _____

Improper and Mixed Numbers: 2 [B]



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

Converting Mixed Numbers to Improper Fractions:

- Sometimes there is only a whole number to be converted to an improper fraction.

$2 = \frac{?}{3}$ each whole has 3 thirds so 2 wholes are 2×3 thirds or 6 thirds
There are no extra thirds to add.

$\frac{3}{3} + \frac{3}{3} = \frac{6}{3}$ or $2 \times \frac{3}{3} = \frac{6}{3}$

Mixed numbers to improper fractions

- 1) $5 \frac{2}{6} = \underline{\hspace{2cm}}$ 6) $3 = \frac{\hspace{1cm}}{5}$ 11) $3 \frac{2}{6} = \underline{\hspace{2cm}}$ 16) $3 \frac{2}{5} = \underline{\hspace{2cm}}$
 2) $4 = \frac{\hspace{1cm}}{\hspace{1cm}}$ 7) $2 \frac{2}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$ 12) $1 = \frac{\hspace{1cm}}{\hspace{1cm}}$ 17) $4 \frac{4}{4} = \underline{\hspace{2cm}}$
 3) $2 \frac{3}{4} = \underline{\hspace{2cm}}$ 13) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$ 18) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$
 4) $1 \frac{4}{5} = \underline{\hspace{2cm}}$ 14) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$ 19) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$
 5) $4 \frac{2}{4} = \underline{\hspace{2cm}}$ 15) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$ 20) $1 \frac{1}{2} = \frac{\hspace{1cm}}{\hspace{1cm}}$

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Converting

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Improper fractions to mixed numbers

- 21) $\frac{15}{3} = \underline{\hspace{2cm}}$ 26) $\frac{15}{4} = \underline{\hspace{2cm}}$ 31) $\frac{12}{5} = \underline{\hspace{2cm}}$ 36) $\frac{16}{5} = \underline{\hspace{2cm}}$
 22) $\frac{8}{3} = \underline{\hspace{2cm}}$ 27) $\frac{24}{4} = \underline{\hspace{2cm}}$ 32) $\frac{17}{5} = \underline{\hspace{2cm}}$ 37) $\frac{13}{4} = \underline{\hspace{2cm}}$
 23) $\frac{10}{5} = \underline{\hspace{2cm}}$ 28) $\frac{8}{2} = \underline{\hspace{2cm}}$ 33) $\frac{18}{4} = \underline{\hspace{2cm}}$ 38) $\frac{14}{3} = \underline{\hspace{2cm}}$
 24) $\frac{11}{2} = \underline{\hspace{2cm}}$ 29) $\frac{14}{6} = \underline{\hspace{2cm}}$ 34) $\frac{13}{5} = \underline{\hspace{2cm}}$ 39) $\frac{16}{4} = \underline{\hspace{2cm}}$
 25) $\frac{10}{3} = \underline{\hspace{2cm}}$ 30) $\frac{21}{3} = \underline{\hspace{2cm}}$ 35) $\frac{10}{4} = \underline{\hspace{2cm}}$ 40) $\frac{21}{5} = \underline{\hspace{2cm}}$

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Name: _____

Score: _____

Improper and Mixed Numbers: 2 [C]



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

Converting Mixed Numbers to Improper Fractions:

Remember:

$$2 \frac{3}{5} \quad \frac{5}{5} + \frac{5}{5} + \frac{3}{5} = \frac{13}{5} \quad \text{or} \quad (2 \times \frac{5}{5}) + \frac{3}{5} = \frac{13}{5}$$

Mixed numbers to improper fractions

- | | | | |
|----------------------------|--------------------------------|---------------------------------|-----------------------------|
| 1) $3 \frac{1}{5} =$ _____ | 6) $5 =$ $\frac{\quad}{4}$ | 11) $3 \frac{2}{6} =$ _____ | 16) $5 \frac{2}{3} =$ _____ |
| 2) $9 =$ $\frac{\quad}{5}$ | 7) $6 \frac{2}{5} =$ _____ | 12) $8 =$ $\frac{\quad}{4}$ | 17) $5 \frac{1}{2} =$ _____ |
| 3) $4 \frac{4}{5} =$ _____ | 8) $2 =$ $\frac{\quad}{8}$ | 13) $4 \frac{3}{4} =$ _____ | 18) $2 \frac{2}{4} =$ _____ |
| 4) $1 \frac{4}{5} =$ _____ | 9) $2 \frac{3}{\quad} =$ _____ | 14) $2 \frac{1}{\quad} =$ _____ | 19) $6 =$ $\frac{\quad}{2}$ |
| 5) $1 \frac{4}{7} =$ _____ | | | |

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Converting

Remember

Improper fra

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|----------------------------|----------------------------|----------------------------|----------------------------|
| 21) $\frac{13}{3} =$ _____ | | | |
| 22) $\frac{7}{5} =$ _____ | | | |
| 23) $\frac{10}{4} =$ _____ | | | |
| 24) $\frac{11}{6} =$ _____ | 29) $\frac{18}{4} =$ _____ | 34) $\frac{16}{4} =$ _____ | 39) $\frac{11}{5} =$ _____ |
| 25) $\frac{10}{5} =$ _____ | 30) $\frac{21}{3} =$ _____ | 35) $\frac{15}{6} =$ _____ | 40) $\frac{12}{5} =$ _____ |

Revision

- | | | | |
|---------------------|---------------------|-----------------------|----------------------|
| 41) $4 + 5 =$ _____ | 46) $9 + 8 =$ _____ | 51) $13 - 10 =$ _____ | 56) $13 - 7 =$ _____ |
| 42) $6 + 5 =$ _____ | 47) $8 + 2 =$ _____ | 52) $15 - 6 =$ _____ | 57) $6 - 3 =$ _____ |
| 43) $7 + 2 =$ _____ | 48) $6 + 9 =$ _____ | 53) $16 - 8 =$ _____ | 58) $11 - 7 =$ _____ |
| 44) $4 + 2 =$ _____ | 49) $7 + 4 =$ _____ | 54) $8 - 4 =$ _____ | 59) $5 - 3 =$ _____ |
| 45) $6 + 4 =$ _____ | 50) $5 + 9 =$ _____ | 55) $17 - 9 =$ _____ | 60) $8 - 3 =$ _____ |

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