



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

**Converting Decimal Fractions to Common Fractions or Mixed Numbers:**  
 It is important to look at the places shown by each decimal. If only the tenths place is shown then use 10 as the denominator; if hundredths, then use 100 as the denominator.

0.4 is 4 tenths       $0.4 = \frac{4}{10}$       0.36 is 36 hundredths       $0.36 = \frac{36}{100}$

2.5 is 2 and 5 tenths       $2.5 = 2 \frac{5}{10}$       6.78 is 6 and 78 hundredths       $6.78 = 6 \frac{78}{100}$

**Convert decimals to common fractions**

1)  $0.54 = \underline{\hspace{2cm}}$       6)  $0.71 = \underline{\hspace{2cm}}$

2)  $0.8 = \underline{\hspace{2cm}}$       7)  $0.1 = \underline{\hspace{2cm}}$

3)  $0.03 = \underline{\hspace{2cm}}$

4)  $0.4 = \underline{\hspace{2cm}}$

5)  $0.09 = \underline{\hspace{2cm}}$

**Convert decimals to mixed numbers**

11)  $1.54 = \underline{\hspace{2cm}}$       16)  $4.71 = \underline{\hspace{2cm}}$

12)  $3.8 = \underline{\hspace{2cm}}$       17)  $0.1 = \underline{\hspace{2cm}}$

**Equivalent fractions**

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

22)  $\frac{1}{2} = \frac{12}{12}$

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**Multiply fractions**

29)  $\frac{3}{4}$  of 12 = \_\_\_\_\_

30)  $\frac{3}{7}$  of 35 = \_\_\_\_\_

31)  $\frac{6}{8}$  of 16 = \_\_\_\_\_

32)  $\frac{2}{9}$  of 45 = \_\_\_\_\_

34)  $\frac{4}{7}$  of 7 = \_\_\_\_\_

35)  $\frac{4}{9}$  of 27 = \_\_\_\_\_

36)  $\frac{1}{3}$  of 27 = \_\_\_\_\_

38)  $36 \times \frac{1}{4} = \underline{\hspace{2cm}}$       42)  $8 \times \frac{3}{4} = \underline{\hspace{2cm}}$

39)  $27 \times \frac{6}{9} = \underline{\hspace{2cm}}$       43)  $40 \times \frac{3}{10} = \underline{\hspace{2cm}}$

40)  $40 \times \frac{6}{8} = \underline{\hspace{2cm}}$       44)  $10 \times \frac{3}{5} = \underline{\hspace{2cm}}$

**Insert <, > or =**

45)  $\frac{2}{12} \underline{\hspace{0.5cm}} \frac{1}{3}$       47)  $\frac{4}{3} \underline{\hspace{0.5cm}} 1 \frac{1}{3}$       49)  $2 \frac{1}{3} \underline{\hspace{0.5cm}} \frac{7}{3}$       51)  $\frac{1}{3} \underline{\hspace{0.5cm}} \frac{2}{6}$

46)  $\frac{3}{6} \underline{\hspace{0.5cm}} \frac{2}{9}$       48)  $1 \frac{2}{9} \underline{\hspace{0.5cm}} \frac{12}{9}$       50)  $\frac{3}{6} \underline{\hspace{0.5cm}} \frac{1}{5}$       52)  $\frac{13}{5} \underline{\hspace{0.5cm}} \frac{1}{4}$

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

**Convert decimals to common fractions**

- |                 |                  |
|-----------------|------------------|
| 1) 0.08 = _____ | 6) 0.1 = _____   |
| 2) 0.23 = _____ | 7) 0.21 = _____  |
| 3) 0.6 = _____  | 8) 0.4 = _____   |
| 4) 0.72 = _____ | 9) 0.24 = _____  |
| 5) 0.9 = _____  | 10) 0.73 = _____ |

**Convert decimals to mixed numbers**

- |                  |                  |
|------------------|------------------|
| 11) 5.08 = _____ | 16) 2.1 = _____  |
| 12) 8.23 = _____ | 17) 9.21 = _____ |
| 13) 7.59 = _____ | 18) 7.41 = _____ |
| 14) 4.57 = _____ | 19) 7.7 = _____  |
| 15) 1.24 = _____ | 20) 4.9 = _____  |

**Multiply fractions**

- 21)  $\frac{2}{10}$  of \_\_\_\_\_
- 22)  $\frac{1}{4}$  of 3 \_\_\_\_\_
- 23)  $\frac{6}{10}$  of \_\_\_\_\_
- 24)  $\frac{1}{10}$  of 4 \_\_\_\_\_

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**Insert <, > or =**

- |  |   |                                       |   |
|--|---|---------------------------------------|---|
| 37) $\frac{4}{9}$ _____ $\frac{5}{9}$  | 41) $\frac{12}{12}$ _____ $\frac{9}{9}$ | 45) $\frac{6}{6}$ _____ $\frac{6}{6}$ | 49) $\frac{4}{4}$ _____ $\frac{3}{3}$   |
| 38) $\frac{1}{6}$ _____ $\frac{1}{12}$ | 42) $\frac{2}{3}$ _____ $\frac{3}{12}$  | 46) $\frac{4}{6}$ _____ $\frac{2}{4}$ | 50) $\frac{10}{4}$ _____ $\frac{17}{6}$ |
| 39) $\frac{5}{6}$ _____ $\frac{2}{3}$  |   |                                       |   |

**Improper Fractions to Mixed Numbers**

- |                             |                            |
|-----------------------------|----------------------------|
| 49) $\frac{17}{5}$ = _____  | 53) $\frac{10}{5}$ = _____ |
| 50) $\frac{9}{2}$ = _____   | 54) $\frac{17}{2}$ = _____ |
| 51) $\frac{13}{5}$ = _____  | 55) $\frac{49}{5}$ = _____ |
| 52) $\frac{34}{10}$ = _____ | 56) $\frac{19}{3}$ = _____ |

**Mixed Numbers to Improper Fractions**

- |                              |                             |
|------------------------------|-----------------------------|
| 57) $4 \frac{2}{6}$ = _____  | 61) $6 \frac{1}{2}$ = _____ |
| 58) $7 = \frac{\quad}{4}$    | 62) $2 \frac{4}{5}$ = _____ |
| 59) $1 \frac{1}{12}$ = _____ | 63) $5 \frac{2}{3}$ = _____ |
| 60) $2 \frac{1}{5}$ = _____  | 64) $4 = \frac{\quad}{4}$   |

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**Converting Common Fractions or Mixed Numbers to Decimal Fractions:**  
 It is important to look at the denominator. If it is a 10 or 100, think of the places that are shown by that denominator.

$\frac{4}{10}$  is 4 tenths so as a decimal it is **0.4**       $\frac{36}{100}$  is 36 hundredths so as a decimal it is **0.36**

$3\frac{7}{10}$  is 3 and 7 tenths so as a decimal it is **3.7**       $8\frac{54}{100}$  is 8 and 54 hundredths so as a decimal it is **8.54**

**Convert common fractions to decimals**

1)  $\frac{6}{10} =$  \_\_\_\_\_      6)  $\frac{12}{100} =$  \_\_\_\_\_

2)  $\frac{2}{10} =$  \_\_\_\_\_      7)  $\frac{5}{100} =$  \_\_\_\_\_

3)  $\frac{83}{100} =$  \_\_\_\_\_

4)  $\frac{6}{100} =$  \_\_\_\_\_

5)  $\frac{20}{100} =$  \_\_\_\_\_

**Convert mixed numbers to decimals**

11)  $4\frac{3}{100} =$  \_\_\_\_\_      16)  $2\frac{6}{10} =$  \_\_\_\_\_

12)  $6\frac{41}{100} =$  \_\_\_\_\_      17)  $4\frac{2}{10} =$  \_\_\_\_\_

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**Multiply fractions**

29)  $\frac{7}{10}$  of 30 = \_\_\_\_\_      33)  $\frac{1}{5}$  of 35 = \_\_\_\_\_

30)  $\frac{7}{10}$  of 20 = \_\_\_\_\_      34)  $\frac{2}{8}$  of 16 = \_\_\_\_\_

31)  $\frac{1}{2}$  of 12 = \_\_\_\_\_      35)  $\frac{3}{7}$  of 42 = \_\_\_\_\_

32)  $\frac{3}{7}$  of 35 = \_\_\_\_\_      36)  $\frac{3}{6}$  of 12 = \_\_\_\_\_

37)  $\frac{24}{16} =$  \_\_\_\_\_      41)  $\frac{6}{4} =$  \_\_\_\_\_

38)  $\frac{2}{18} =$  \_\_\_\_\_      42)  $\frac{6}{9} =$  \_\_\_\_\_

39)  $\frac{12}{16} =$  \_\_\_\_\_      43)  $\frac{30}{40} =$  \_\_\_\_\_

40)  $\frac{2}{8} =$  \_\_\_\_\_      44)  $\frac{12}{9} =$  \_\_\_\_\_

**Insert <, > or =**

45)  $\frac{5}{12}$  \_\_\_  $\frac{1}{3}$       47)  $\frac{2}{3}$  \_\_\_  $\frac{4}{6}$       49)  $\frac{8}{5}$  \_\_\_  $\frac{5}{6}$       51)  $\frac{1}{4}$  \_\_\_  $\frac{14}{5}$

46)  $\frac{11}{12}$  \_\_\_  $\frac{1}{6}$       48)  $\frac{7}{9}$  \_\_\_  $\frac{1}{6}$       50)  $\frac{1}{3}$  \_\_\_  $\frac{3}{4}$       52)  $\frac{7}{5}$  \_\_\_  $\frac{10}{4}$

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