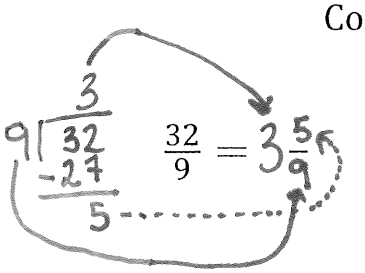
Converting Fractions (A)

3 different techniques shown – choose your favourite!

Convert each improper fraction to a mixed fraction.



$\frac{32}{9} = 3\frac{5}{9}$

$\frac{67}{12} = \frac{60}{12} + \frac{7}{12} = 5 + \frac{7}{12}$

$\frac{67}{12} = 5\frac{7}{12}$

$\frac{116}{15} =$ —

$\frac{34}{15} = \frac{15}{15} + \frac{15}{15} + \frac{4}{15}$

$\frac{34}{15} = 2\frac{4}{15}$

$\frac{25}{12} =$ —	$\frac{41}{6} =$ –	$\frac{53}{7} =$ –	$\frac{25}{4} =$ –
$\frac{127}{15} =$ —	$\frac{21}{8} =$ –	$\frac{15}{4} =$ –	$\frac{33}{10} =$ —
$\frac{25}{9} =$ –	$\frac{38}{7} =$ –	$\frac{99}{10} =$ —	$\frac{44}{5} =$ –
$\frac{53}{15} =$ —	$\frac{41}{8} =$ –	$\frac{64}{9} =$ –	$\frac{57}{10} =$ —
$\frac{16}{7} =$ –	$\frac{56}{9} =$ –	$\frac{21}{10} =$ —	$\frac{67}{8} =$ –
$\frac{12}{7} =$ –	$\frac{83}{12} =$ —	$\frac{36}{7} =$ –	$\frac{19}{6} =$ –
$\frac{13}{2} =$ –	$\frac{22}{3} =$ –	$\frac{23}{5} =$ –	$\frac{20}{7} =$ –
$\frac{76}{15} =$ —	$\frac{85}{9} =$ –	$\frac{80}{9} =$ –	$\frac{41}{12} =$ —
$\frac{6}{5} =$ –	$\frac{107}{15} =$ —	$\frac{63}{8} =$ –	$\frac{37}{5} =$ –

Converting Fractions (A)

Name: _____ Date: _____

Convert each mixed fraction to an improper fraction.

$9\frac{1}{9} = \frac{82}{9}$ (9 × 9 = 81, + 1 = 82)

$3\frac{8}{9} = —$ $8\frac{7}{12} = —$ $7\frac{7}{9} = —$

$3\frac{11}{15} = —$ $3\frac{2}{5} = —$ $4\frac{2}{7} = —$ $7\frac{1}{3} = —$

$5\frac{1}{7} = —$ $2\frac{7}{10} = —$ $3\frac{4}{5} = —$ $4\frac{5}{7} = —$

$3\frac{3}{8} = —$ $6\frac{1}{8} = —$ $5\frac{5}{6} = —$ $7\frac{4}{15} = —$

$4\frac{2}{9} = —$ $9\frac{1}{6} = —$ $7\frac{5}{8} = —$ $1\frac{5}{9} = —$

$6\frac{4}{7} = —$ $8\frac{7}{15} = —$ $6\frac{1}{5} = —$ $8\frac{1}{12} = —$

$8\frac{1}{15} = —$ $7\frac{5}{12} = —$ $1\frac{3}{10} = —$ $6\frac{8}{15} = —$

$1\frac{9}{10} = —$ $4\frac{6}{7} = —$ $1\frac{1}{4} = -$ $1\frac{11}{12} = —$

$3\frac{4}{9} = —$ $3\frac{1}{10} = —$ $2\frac{1}{2} = -$ $4\frac{3}{5} = —$

$4\frac{7}{8} = —$ $6\frac{2}{15} = —$ $5\frac{3}{4} = —$ $5\frac{3}{7} = —$

Converting Fractions (A)

Name: _____ Date: _____

Convert mixed to improper fractions and improper to mixed fractions.

$\frac{10}{3} = 3\frac{1}{3}$ $\frac{19}{4} =$ $1\frac{5}{9} =$ $\frac{82}{15} =$

$4\frac{11}{12} = \frac{59}{12}$ $1\frac{5}{12} =$ $4\frac{9}{10} =$ $6\frac{5}{7} =$

$9\frac{8}{15} =$ $1\frac{7}{9} =$ $\frac{43}{7} =$ $6\frac{1}{6} =$

$8\frac{2}{9} =$ $\frac{97}{10} =$ $1\frac{3}{10} =$ $\frac{49}{5} =$

$\frac{29}{8} =$ $\frac{94}{15} =$ $\frac{45}{7} =$ $5\frac{1}{4} =$

$5\frac{7}{8} =$ $\frac{21}{10} =$ $9\frac{2}{7} =$ $7\frac{7}{12} =$

$3\frac{6}{7} =$ $\frac{7}{5} =$ $\frac{31}{5} =$ $6\frac{11}{15} =$

$3\frac{1}{15} =$ $\frac{55}{9} =$ $2\frac{4}{7} =$ $7\frac{8}{9} =$

$\frac{75}{8} =$ $\frac{17}{2} =$ $7\frac{1}{8} =$ $\frac{85}{9} =$

$3\frac{5}{6} =$ $3\frac{3}{5} =$ $8\frac{2}{15} =$ $4\frac{1}{12} =$

Simplifying Proper Fractions (A)

Name: _____ Date: _____

Simplify each fraction to its lowest terms

1. $\frac{7}{14} \overset{\rightarrow \div 7}{\underset{\rightarrow \div 7}{=}} \frac{1}{2}$
2. $\frac{4}{20} =$
3. $\frac{14}{21} =$
4. $\frac{12}{21} =$
5. $\frac{12}{18} =$
6. $\frac{5}{50} =$
7. $\frac{30}{72} =$
8. $\frac{4}{40} =$
9. $\frac{12}{30} =$
10. $\frac{30}{55} =$
11. $\frac{24}{33} =$
12. $\frac{24}{40} =$
13. $\frac{40}{110} =$
14. $\frac{36}{40} =$
15. $\frac{2}{18} =$
16. $\frac{10}{120} =$
17. $\frac{8}{96} =$
18. $\frac{50}{60} =$
19. $\frac{10}{45} =$
20. $\frac{8}{64} =$
21. $\frac{9}{27} =$
22. $\frac{7}{56} =$
23. $\frac{45}{54} =$
24. $\frac{30}{55} =$
25. $\frac{20}{35} =$
26. $\frac{30}{36} =$
27. $\frac{10}{24} =$
28. $\frac{10}{20} =$
29. $\frac{35}{56} =$
30. $\frac{4}{8} =$
31. $\frac{8}{56} =$
32. $\frac{27}{99} =$
33. $\frac{4}{12} =$
34. $\frac{3}{6} =$
35. $\frac{9}{54} =$
36. $\frac{9}{18} =$
37. $\frac{3}{24} =$
38. $\frac{6}{16} =$
39. $\frac{24}{42} =$
40. $\frac{15}{21} =$

Simplifying Improper Fractions (A)

Name: _____ Date: _____

Simplify each fraction to its lowest terms

1. $\frac{92}{44} \overset{\div 4}{=} \frac{23}{11} = 2\frac{1}{11}$

2. $\frac{212}{48} =$

3. $\frac{90}{20} =$

4. $\frac{245}{56} =$

5. $\frac{616}{64} =$

6. $\frac{222}{60} =$

7. $\frac{152}{16} =$

8. $\frac{177}{27} =$

9. $\frac{108}{14} =$

10. $\frac{531}{81} =$

11. $\frac{164}{32} =$

12. $\frac{320}{36} =$

13. $\frac{46}{6} =$

14. $\frac{850}{120} =$

15. $\frac{58}{14} =$

16. $\frac{336}{49} =$

17. $\frac{176}{24} =$

18. $\frac{120}{27} =$

19. $\frac{620}{70} =$

20. $\frac{63}{56} =$