

## Simplifying fractions worksheet

Put the following fractions in their simplest form. If you want the most benefit from this, do this without a calculator.

- |                           |                          |                           |                           |                           |
|---------------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| 1. $\frac{-28}{-8} =$     | 23. $\frac{-40}{16} =$   | 45. $\frac{18}{-18} =$    | 67. $\frac{30}{10} =$     | 89. $\frac{-192}{-48} =$  |
| 2. $\frac{7}{6} =$        | 24. $\frac{140}{-100} =$ | 46. $\frac{-84}{-84} =$   | 68. $\frac{-10}{3} =$     | 90. $\frac{25}{25} =$     |
| 3. $\frac{14}{10} =$      | 25. $\frac{77}{11} =$    | 47. $\frac{-152}{-133} =$ | 69. $\frac{-22}{-176} =$  | 91. $\frac{-20}{-45} =$   |
| 4. $\frac{72}{216} =$     | 26. $\frac{203}{-203} =$ | 48. $\frac{-80}{-10} =$   | 70. $\frac{90}{126} =$    | 92. $\frac{45}{-81} =$    |
| 5. $\frac{-50}{-20} =$    | 27. $\frac{3}{24} =$     | 49. $\frac{24}{-28} =$    | 71. $\frac{-98}{14} =$    | 93. $\frac{-10}{-45} =$   |
| 6. $\frac{162}{-108} =$   | 28. $\frac{60}{20} =$    | 50. $\frac{22}{198} =$    | 72. $\frac{171}{-95} =$   | 94. $\frac{-128}{112} =$  |
| 7. $\frac{-30}{-300} =$   | 29. $\frac{81}{-45} =$   | 51. $\frac{154}{198} =$   | 73. $\frac{66}{-33} =$    | 95. $\frac{-203}{232} =$  |
| 8. $\frac{48}{96} =$      | 30. $\frac{-6}{-12} =$   | 52. $\frac{-8}{-8} =$     | 74. $\frac{-18}{54} =$    | 96. $\frac{4}{12} =$      |
| 9. $\frac{15}{-45} =$     | 31. $\frac{105}{60} =$   | 53. $\frac{-87}{-261} =$  | 75. $\frac{198}{44} =$    | 97. $\frac{42}{60} =$     |
| 10. $\frac{-216}{-216} =$ | 32. $\frac{10}{-80} =$   | 54. $\frac{-90}{20} =$    | 76. $\frac{60}{36} =$     | 98. $\frac{-126}{14} =$   |
| 11. $\frac{-140}{56} =$   | 33. $\frac{84}{140} =$   | 55. $\frac{-90}{-100} =$  | 77. $\frac{156}{52} =$    | 99. $\frac{-42}{-210} =$  |
| 12. $\frac{234}{-104} =$  | 34. $\frac{-68}{-119} =$ | 56. $\frac{144}{-216} =$  | 78. $\frac{18}{144} =$    | 100. $\frac{52}{39} =$    |
| 13. $\frac{150}{-240} =$  | 35. $\frac{-70}{90} =$   | 57. $\frac{50}{200} =$    | 79. $\frac{-27}{-81} =$   | 101. $\frac{52}{78} =$    |
| 14. $\frac{180}{90} =$    | 36. $\frac{56}{-126} =$  | 58. $\frac{-81}{-72} =$   | 80. $\frac{171}{-133} =$  | 102. $\frac{54}{-30} =$   |
| 15. $\frac{81}{-81} =$    | 37. $\frac{-220}{-44} =$ | 59. $\frac{-95}{-133} =$  | 81. $\frac{84}{-36} =$    | 103. $\frac{32}{-16} =$   |
| 16. $\frac{112}{280} =$   | 38. $\frac{0}{190} =$    | 60. $\frac{-196}{-56} =$  | 82. $\frac{36}{-48} =$    | 104. $\frac{-105}{135} =$ |
| 17. $\frac{-40}{-70} =$   | 39. $\frac{210}{-90} =$  | 61. $\frac{-20}{-6} =$    | 83. $\frac{130}{-78} =$   | 105. $\frac{136}{-119} =$ |
| 18. $\frac{-84}{28} =$    | 40. $\frac{-40}{25} =$   | 62. $\frac{-144}{80} =$   | 84. $\frac{-105}{42} =$   | 106. $\frac{39}{91} =$    |
| 19. $\frac{-22}{-11} =$   | 41. $\frac{69}{-161} =$  | 63. $\frac{-48}{-216} =$  | 85. $\frac{-22}{22} =$    | 107. $\frac{112}{56} =$   |
| 20. $\frac{32}{-160} =$   | 42. $\frac{-175}{-25} =$ | 64. $\frac{-147}{-21} =$  | 86. $\frac{-39}{-26} =$   | 108. $\frac{-78}{-65} =$  |
| 21. $\frac{24}{-48} =$    | 43. $\frac{0}{-16} =$    | 65. $\frac{-16}{36} =$    | 87. $\frac{-130}{-260} =$ |                           |
| 22. $\frac{-171}{-38} =$  | 44. $\frac{28}{14} =$    | 66. $\frac{-56}{-224} =$  | 88. $\frac{10}{-2} =$     |                           |

## Simplifying fractions worksheet

Solutions:

1.  $\frac{-28}{-8} = \frac{7}{2}$
2.  $\frac{7}{6} = \frac{7}{6}$
3.  $\frac{14}{10} = \frac{7}{5}$
4.  $\frac{72}{216} = \frac{1}{3}$
5.  $\frac{-50}{-20} = \frac{5}{2}$
6.  $\frac{162}{-108} = \frac{-3}{2}$
7.  $\frac{-30}{-300} = \frac{1}{10}$
8.  $\frac{48}{96} = \frac{1}{2}$
9.  $\frac{15}{-45} = \frac{-1}{3}$
10.  $\frac{-216}{-216} = 1$
11.  $\frac{-140}{56} = \frac{-5}{2}$
12.  $\frac{234}{-104} = \frac{-9}{4}$
13.  $\frac{150}{-240} = \frac{-5}{8}$
14.  $\frac{180}{90} = 2$
15.  $\frac{81}{-81} = -1$
16.  $\frac{112}{280} = \frac{2}{5}$
17.  $\frac{-40}{-70} = \frac{4}{7}$
18.  $\frac{-84}{28} = -3$
19.  $\frac{-22}{-11} = 2$
20.  $\frac{32}{-160} = \frac{-1}{5}$
21.  $\frac{24}{-48} = \frac{-1}{2}$
22.  $\frac{-171}{-38} = \frac{9}{2}$
23.  $\frac{-40}{16} = \frac{-5}{2}$
24.  $\frac{140}{-100} = \frac{-7}{5}$
25.  $\frac{77}{11} = 7$
26.  $\frac{203}{-203} = -1$
27.  $\frac{3}{24} = \frac{1}{8}$
28.  $\frac{60}{20} = 3$
29.  $\frac{81}{-45} = \frac{-9}{5}$
30.  $\frac{-6}{-12} = \frac{1}{2}$
31.  $\frac{105}{60} = \frac{7}{4}$
32.  $\frac{10}{-80} = \frac{-1}{8}$
33.  $\frac{84}{140} = \frac{3}{5}$
34.  $\frac{-68}{-119} = \frac{4}{7}$
35.  $\frac{-70}{90} = \frac{-7}{9}$
36.  $\frac{56}{-126} = \frac{-4}{9}$
37.  $\frac{-220}{-44} = 5$
38.  $\frac{0}{190} = 0$
39.  $\frac{210}{-90} = \frac{-7}{3}$
40.  $\frac{-40}{25} = \frac{-8}{5}$
41.  $\frac{69}{-161} = \frac{-3}{7}$
42.  $\frac{-175}{-25} = 7$
43.  $\frac{0}{-16} = 0$
44.  $\frac{28}{14} = 2$
45.  $\frac{18}{-18} = -1$
46.  $\frac{-84}{-84} = 1$
47.  $\frac{-152}{-133} = \frac{8}{7}$
48.  $\frac{-80}{-10} = 8$
49.  $\frac{24}{-28} = \frac{-6}{7}$
50.  $\frac{22}{198} = \frac{1}{9}$
51.  $\frac{154}{198} = \frac{7}{9}$
52.  $\frac{-8}{-8} = 1$
53.  $\frac{-87}{-261} = \frac{1}{3}$
54.  $\frac{-90}{20} = \frac{-9}{2}$
55.  $\frac{-90}{-100} = \frac{9}{10}$
56.  $\frac{144}{-216} = \frac{-2}{3}$
57.  $\frac{50}{200} = \frac{1}{4}$
58.  $\frac{-81}{-72} = \frac{9}{8}$
59.  $\frac{-95}{-133} = \frac{5}{7}$
60.  $\frac{-196}{-56} = \frac{7}{2}$
61.  $\frac{-20}{-6} = \frac{10}{3}$
62.  $\frac{-144}{80} = \frac{-9}{5}$
63.  $\frac{-48}{-216} = \frac{2}{9}$
64.  $\frac{-147}{-21} = 7$
65.  $\frac{-16}{36} = \frac{-4}{9}$
66.  $\frac{-56}{-224} = \frac{1}{4}$
67.  $\frac{30}{10} = 3$
68.  $\frac{-10}{3} = \frac{-10}{3}$
69.  $\frac{-22}{-176} = \frac{1}{8}$
70.  $\frac{90}{126} = \frac{5}{7}$
71.  $\frac{-98}{14} = -7$
72.  $\frac{171}{-95} = \frac{-9}{5}$
73.  $\frac{66}{-33} = -2$
74.  $\frac{-18}{54} = \frac{-1}{3}$
75.  $\frac{198}{44} = \frac{9}{2}$
76.  $\frac{60}{36} = \frac{5}{3}$
77.  $\frac{156}{52} = 3$
78.  $\frac{18}{144} = \frac{1}{8}$
79.  $\frac{-27}{-81} = \frac{1}{3}$
80.  $\frac{171}{-133} = \frac{-9}{7}$
81.  $\frac{84}{-36} = \frac{-7}{3}$
82.  $\frac{36}{-48} = \frac{-3}{4}$
83.  $\frac{130}{-78} = \frac{-5}{3}$
84.  $\frac{-105}{42} = \frac{-5}{2}$
85.  $\frac{-22}{22} = -1$
86.  $\frac{-39}{-26} = \frac{3}{2}$
87.  $\frac{-130}{-260} = \frac{1}{2}$
88.  $\frac{10}{-2} = -5$
89.  $\frac{-192}{-48} = 4$
90.  $\frac{25}{25} = 1$
91.  $\frac{-20}{-45} = \frac{4}{9}$
92.  $\frac{45}{-81} = \frac{-5}{9}$
93.  $\frac{-10}{-45} = \frac{2}{9}$
94.  $\frac{-128}{112} = \frac{-8}{7}$
95.  $\frac{-203}{232} = \frac{-7}{8}$
96.  $\frac{4}{12} = \frac{1}{3}$
97.  $\frac{42}{60} = \frac{7}{10}$
98.  $\frac{-126}{14} = -9$
99.  $\frac{-42}{-210} = \frac{1}{5}$
100.  $\frac{52}{39} = \frac{4}{3}$
101.  $\frac{52}{78} = \frac{2}{3}$
102.  $\frac{54}{-30} = \frac{-9}{5}$
103.  $\frac{32}{-16} = -2$
104.  $\frac{-105}{135} = \frac{-7}{9}$
105.  $\frac{136}{-119} = \frac{-8}{7}$
106.  $\frac{39}{91} = \frac{3}{7}$
107.  $\frac{112}{56} = 2$
108.  $\frac{-78}{-65} = \frac{6}{5}$