Worksheet

Express the following fractions in a reduced form.

1. $\frac{132}{84}$
2. $\frac{96}{48}$
3. $\frac{44}{54}$
4. $\frac{72}{72}$
5. $\frac{33}{14}$
6. $\frac{36}{10}$
7. $\frac{11}{35}$
8. $\frac{40}{20}$
9. $\frac{44}{8}$
10. $\frac{7}{24}$
11. $\frac{35}{12}$
12. $\frac{48}{60}$
13. $\frac{15}{21}$
14. $\frac{32}{77}$
15. $\frac{20}{44}$
16. $\frac{16}{42}$
17. $\frac{63}{60}$
18. $\frac{36}{72}$
19. $\frac{11}{25}$
20. $\frac{66}{55}$
21. $\frac{24}{36}$
22. $\frac{12}{44}$
23. $\frac{72}{55}$
24. $\frac{16}{12}$
25. $\frac{30}{25}$
26. $\frac{60}{44}$
27. $\frac{3}{56}$
28. $\frac{30}{60}$
29. $\frac{6}{56}$
30. $\frac{24}{8}$
31. $\frac{8}{110}$
32. $\frac{18}{10}$
33. $\frac{88}{24}$
34. $\frac{8}{4}$
35. $\frac{132}{12}$
36. $\frac{24}{108}$
37. $\frac{18}{8}$
38. $\frac{9}{110}$
39. $\frac{12}{81}$
40. $\frac{20}{36}$
41. $\frac{30}{21}$
42. $\frac{45}{99}$
43. $\frac{66}{8}$
44. $\frac{144}{14}$
45. $\frac{40}{6}$
46. $\frac{50}{8}$
47. $\frac{8}{48}$
48. $\frac{27}{40}$
49. $\frac{11}{36}$

— Answers —

1. $\frac{2^2 \cdot 3 \cdot 11}{2^2 \cdot 3 \cdot 7} = \frac{11}{7}$
2. $\frac{2^5 \cdot 3}{2^4 \cdot 3} = 2$
3. $\frac{2^2 \cdot 11}{2 \cdot 3^3} = \frac{22}{27}$
4. $\frac{2^3 \cdot 3^2}{2^3 \cdot 3^2} = 1$
5. $\frac{3 \cdot 11}{2 \cdot 7} = \frac{33}{14}$
6. $\frac{2^2 \cdot 3^2}{2 \cdot 5} = \frac{18}{5}$
7. $\frac{11}{5 \cdot 7} = \frac{11}{35}$
8. $\frac{2^3 \cdot 5}{2^2 \cdot 5} = 2$
9. $\frac{2^2 \cdot 11}{2^3} = \frac{11}{2}$
10. $\frac{7}{2^3 \cdot 3} = \frac{7}{24}$
11. $\frac{5 \cdot 7}{2^2 \cdot 3} = \frac{35}{12}$
12. $\frac{2^4 \cdot 3}{2^2 \cdot 3 \cdot 5} = \frac{4}{5}$
13. $\frac{3 \cdot 5}{3 \cdot 7} = \frac{5}{7}$
14. $\frac{2^5}{7 \cdot 11} = \frac{32}{77}$
15. $\frac{2^2 \cdot 5}{2^2 \cdot 11} = \frac{5}{11}$
16. $\frac{2^4}{2 \cdot 3 \cdot 7} = \frac{8}{21}$
17. $\frac{3^2 \cdot 7}{2^2 \cdot 3 \cdot 5} = \frac{21}{20}$
18. $\frac{2^2 \cdot 3^2}{2^3 \cdot 3^2} = \frac{1}{2}$
19. $\frac{11}{5^2} = \frac{11}{25}$
20. $\frac{2 \cdot 3 \cdot 11}{5 \cdot 11} = \frac{6}{5}$
21. $\frac{2^3 \cdot 3}{2^2 \cdot 3^2} = \frac{2}{3}$
22. $\frac{2^2 \cdot 3}{2^2 \cdot 11} = \frac{3}{11}$
23. $\frac{2^3 \cdot 3^2}{5 \cdot 11} = \frac{72}{55}$
24. $\frac{2^4}{2^2 \cdot 3} = \frac{4}{3}$
25. $\frac{2 \cdot 3 \cdot 5}{5^2} = \frac{6}{5}$
26. $\frac{2^2 \cdot 3 \cdot 5}{2^2 \cdot 11} = \frac{15}{11}$
27. $\frac{3}{2^3 \cdot 7} = \frac{3}{56}$
28. $\frac{2 \cdot 3 \cdot 5}{2^2 \cdot 3 \cdot 5} = \frac{1}{2}$
29. $\frac{2 \cdot 3}{2^3 \cdot 7} = \frac{3}{28}$
30. $\frac{2^3 \cdot 3}{2^3} = 3$
31. $\frac{2^3}{2 \cdot 5 \cdot 11} = \frac{4}{55}$
32. $\frac{2 \cdot 3^2}{2 \cdot 5} = \frac{9}{5}$
33. $\frac{2^3 \cdot 11}{2^3 \cdot 3} = \frac{11}{3}$
34. $\frac{2^3}{2^2} = 2$
35. $\frac{2^2 \cdot 3 \cdot 11}{2^2 \cdot 3} = 11$
36. $\frac{2^3 \cdot 3}{2^2 \cdot 3^3} = \frac{2}{9}$
37. $\frac{2 \cdot 3^2}{2^3} = \frac{9}{4}$
38. $\frac{3^2}{2 \cdot 5 \cdot 11} = \frac{9}{110}$
39. $\frac{2^2 \cdot 3}{3^4} = \frac{4}{27}$
40. $\frac{2^2 \cdot 5}{2^2 \cdot 3^2} = \frac{5}{9}$
41. $\frac{2 \cdot 3 \cdot 5}{3 \cdot 7} = \frac{10}{7}$
42. $\frac{3^2 \cdot 5}{3^2 \cdot 11} = \frac{5}{11}$
43. $\frac{2 \cdot 3 \cdot 11}{2^3} = \frac{33}{4}$
44. $\frac{2^4 \cdot 3^2}{2 \cdot 7} = \frac{72}{7}$
45. $\frac{2^3 \cdot 5}{2 \cdot 3} = \frac{20}{3}$
46. $\frac{2 \cdot 5^2}{2^3} = \frac{25}{4}$
47. $\frac{2^3}{2^4 \cdot 3} = \frac{1}{6}$
48. $\frac{3^3}{2^3 \cdot 5} = \frac{27}{40}$
49. $\frac{11}{2^2 \cdot 3^2} = \frac{11}{36}$

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