

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. $\frac{2}{3} \times \frac{3}{4}$
2. $(-\frac{2}{3}) \times \frac{3}{5}$
3. $\frac{4}{7} \div \frac{2}{3}$
4. $(-\frac{5}{8}) \div (-\frac{1}{4})$
5. $(-\frac{3}{2}) \times 4$
6. $6 \div (-\frac{3}{4})$
7. $(-\frac{1}{3}) \times (-\frac{9}{4})$
8. $\frac{7}{8} \times (-\frac{16}{21})$
9. $(-\frac{2}{5}) \div \frac{3}{10}$
10. $0 \times (-\frac{7}{9})$
11. $(-\frac{4}{9}) \div (-\frac{2}{3})$
12. $(\frac{2}{3}) \times (-\frac{3}{2}) \times (-\frac{1}{4})$
13. $(-5) \times (\frac{2}{7}) \div (-\frac{1}{14})$
14. $(-\frac{3}{4}) \div 0.5$
15. A recipe needs $\frac{3}{4}$ cup sugar. If you make half the recipe, how much sugar do you need?
16. The temperature falls at a rate of $-\frac{3}{4}$ degC per hour for 8 hours. What is the total temperature change?
17. You have a $\frac{5}{6}$ m ribbon. You cut off $\frac{2}{3}$ of it. How much ribbon is left?
18. A lap is $\frac{2}{3}$ mile. During cool?down, someone runs $\frac{4}{5}$ of a lap. How far is the cool?down lap?
19. Find the area of a rectangle with length $\frac{3}{2}$ m and width $\frac{2}{3}$ m.
20. A painter repaints $\frac{2}{3}$ of the area of a wall that already had $\frac{3}{4}$ painted. What fraction of the whole wall is repainted?
21. $(-\frac{7}{3}) \div (\frac{14}{9})$
22. $(-2 \frac{1}{2}) \times (-\frac{4}{5})$
23. $\frac{9}{4} \div (-\frac{3}{8})$
24. $(-\frac{8}{9}) \times (\frac{27}{16})$
25. $(-\frac{1}{2}) \times \frac{2}{3} \div (-\frac{1}{6})$
26. A recipe calls for $\frac{3}{4}$ cup oil. You triple the recipe and then use $\frac{2}{3}$ of that triple amount. How much oil is used?
27. $(-\frac{5}{6}) \div (-\frac{10}{9})$
28. A car uses $\frac{2}{5}$ gallon per mile. How much fuel is used for $\frac{15}{4}$ miles?
29. $(-\frac{4}{3}) \times (-\frac{9}{8}) \div (\frac{3}{2})$
30. $\frac{7}{12} \div (-\frac{14}{9})$
31. A baker has $3 \frac{1}{3}$ kg flour. He uses $\frac{2}{5}$ of it for bread. How much flour is used?
32. $(-\frac{2}{7}) \times (-\frac{21}{8}) \times \frac{1}{3}$



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Math Worksheet for 7th Grade

Understanding multiplying and dividing fractions

33. $(-\frac{15}{4}) \div \frac{5}{6}$

34. On a map scale 1:200, an actual distance is $\frac{3}{5}$ km. What is the map distance in km (give as a fraction)?

35. $(-1) \times \frac{7}{9} \times (-\frac{9}{14})$

36. $\frac{4}{5} \div (-2)$

37. A swimming pool is $\frac{3}{4}$ full. If $\frac{2}{5}$ of the water is removed, what fraction of the pool remains full?

38. $(-6) \div (-\frac{3}{7})$

39. $\frac{5}{6} \times (-\frac{18}{25})$

40. $(-\frac{2}{9}) \div \frac{4}{27}$

41. A gardener plants flowers in $\frac{2}{3}$ of a garden. One kind occupies $\frac{1}{4}$ of the flower area. What fraction of the whole garden is that kind?

42. $(-\frac{11}{12}) \times (-\frac{6}{11})$

43. $\frac{14}{5} \div (-\frac{7}{10})$

44. $(-\frac{3}{10}) \times (-\frac{20}{9}) \times \frac{1}{2}$

45. A spaceship uses $\frac{7}{12}$ of its fuel to reach orbit. It then uses $\frac{1}{3}$ of the remaining fuel on a maneuver. What fraction of the original fuel is used for that maneuver?

46. $(-\frac{4}{5}) \div (-\frac{2}{15})$

47. $(-\frac{1}{4}) \times \frac{16}{3} \times (-\frac{3}{8})$

48. $\frac{3}{7} \div (-\frac{9}{14}) \times (-2)$

49. A worker completes $\frac{5}{8}$ of a job the first day, then undoes $\frac{1}{3}$ of that completed work. What fraction of the job is still completed?

50. Evaluate: $(-\frac{2}{3}) \times \frac{3}{5} + \frac{1}{6} \div (-\frac{1}{2})$