Fraction operations in several steps · Answer key

1. $(-\frac{20}{27}) \times (\frac{3}{5} \div \frac{2}{9}) = \mathbf{-2}$

2. $(6)^2 \times (-\frac{7}{9}) = \mathbf{-28}$

3. $((-\frac{11}{27}) + (-\frac{5}{18})) \div (-\frac{3}{2}) = \mathbf{\frac{37}{81}}$

4. $(-\frac{7}{8}) \div (-\frac{1}{8}) - \frac{1}{2} = \mathbf{6\frac{1}{2}}$

5. $(\frac{1}{4} + \frac{7}{8}) + (\frac{3}{2} \div (-5)) = \mathbf{\frac{33}{40}}$

6. $(\frac{5}{4} \times 6) \times (\frac{4}{5} - (-\frac{1}{2})) = \mathbf{9\frac{3}{4}}$

7. $(\frac{1}{22} + \frac{1}{4}) - \frac{1}{2} = \mathbf{-\frac{9}{44}}$

8. $\frac{4}{5} \div (\frac{3}{5} + 2) = \mathbf{\frac{4}{13}}$

9. $(3)^2 \times \frac{1}{2} = \mathbf{4\frac{1}{2}}$

10. $\frac{1}{2} \times \frac{1}{4} - \frac{3}{4} = \mathbf{-\frac{5}{8}}$

11. $((-\frac{11}{16}) \div (-\frac{3}{8})) \div (4 \div (-\frac{1}{2})) = \mathbf{-\frac{11}{48}}$

12. $(-\frac{15}{8})^2 \times (-2) = \mathbf{-7\frac{1}{32}}$

13. $\frac{2}{9} \times \frac{1}{2} + (-\frac{1}{2}) = \mathbf{-\frac{7}{18}}$

14. $\frac{2}{3} + (3 \times \frac{5}{6}) = \mathbf{3\frac{1}{6}}$

15. $((-\frac{8}{21}) \div \frac{1}{9}) \div \frac{7}{9} = \mathbf{-4\frac{20}{49}}$

16. $((-3) \times \frac{9}{10}) + (\frac{14}{25} + (-\frac{2}{5})) = \mathbf{-2\frac{27}{50}}$

17. $4 \times (\frac{2}{3} + \frac{2}{9}) = \mathbf{3\frac{5}{9}}$

18. $(-\frac{11}{6})^2 + \frac{1}{4} = \mathbf{3\frac{11}{18}}$

19. $\frac{19}{11} - \frac{3}{4} \div \frac{1}{4} = \mathbf{-1\frac{3}{11}}$

20. $(4 - 5) \div (-\frac{8}{11}) = \mathbf{1\frac{3}{8}}$