Simplification of fractions (Addition, subtraction, multiplication and division)

1. $^{2}/_{3} - {}^{3}/_{8} + {}^{5}/_{24}$ = _____

2. $^{3}/_{8} + ¼ - ½$ = _____

3. $^{9}/_{20} - ¼ + {}^{3}/_{5}$ = _____

4. $^{1}/_{6} + {}^{5}/_{24} - {}^{3}/_{8}$ = _____

5. $^{5}/_{8} + ¼ - {}^{7}/_{32}$ = _____

6. $8\,{}^{3}/_{8} - 5\,{}^{2}/_{4} + 2{}^{5}/_{24}$ = _____

7. $7{}^{3}/_{5} + 9{}^{2}/_{45} - 5{}^{2}/_{9}$ = _____

8. $5{}^{3}/_{5} - 7{}^{2}/_{3} + 5{}^{2}/_{15}$ = _____

9. $7{}^{3}/_{12} - 5{}^{2}/_{3} - 3{}^{5}/_{6}$ = _____

10. $8\,{}^{1}/_{2} - 7\,{}^{3}/_{4} + 2{}^{5}/_{8}$ = _____

Find the unknown fraction.

11. ..... $+ {}^{3}/_{8} = {}^{5}/_{24}$

12. ..... $+ {}^{4}/_{7} = {}^{13}/_{28}$

13. ..... $+ {}^{3}/_{4} = {}^{5}/_{12}$

14. ..... $- {}^{8}/_{9} = {}^{7}/_{45}$

15. ..... $- {}^{5}/_{7} = {}^{6}/_{35}$

Simplify the following fraction

16. $2\ ^{1}/_{6} \div (1\ ½ \div 3\ ½)$ = _____

17. $^{5}/_{9} \times ^{6}/_{15} \div ^{10}/_{18}$ = _____

18. $(^{3}/_{4} \div\ ^{1}/_{2}\ ) \times 2\ ^{1}/_{6}$ = _____

19. $^{3}/_{5} \div ^{4}/_{5} \times ^{80}/_{150}$ = _____

20. $2^{4}/_{5} \div ^{2}/_{10} \times ^{2}/_{7}$ = _____

21. $3^{4}/_{7} \div ^{5}/_{7} \times ^{2}/_{3}$ = _____

22. $2^{4}/_{5} \div ^{7}/_{10} \times 3^{2}/_{3}$ = _____

23. $1^{4}/_{5} \div ^{2}/_{10} \div ^{2}/_{3}$ = _____

24. $1^{4}/_{5} \times ^{2}/_{10} \div 1^{2}/_{3}$ = _____

25. $2^{4}/_{5} \div ^{7}/_{10} \times 4^{2}/_{3}$ = _____