EXTRA PRACTICE - Exercises

Unit I – The Structure of Mathematics
Part C – Further Investigation of Operation Symbols
Lesson 5 – Operations with Fractions - Addition and Subtraction

Find the answers to each of the following problems, showing the arithmetic of each step and simplifying your result.

1. $\dfrac{8}{15} + \dfrac{4}{15}$

2. $\dfrac{23}{18} - \dfrac{15}{18}$

3. $\dfrac{62}{52} - \dfrac{49}{52}$

4. $\dfrac{13}{16} - \dfrac{7}{16}$

5. $\dfrac{25}{42} - \dfrac{11}{42}$

6. $\dfrac{19}{30} + \dfrac{7}{30}$

7. $\dfrac{17}{8} + \dfrac{7}{8}$

8. $\dfrac{28}{15} - \dfrac{7}{15}$

9. $\dfrac{11}{21} + \dfrac{7}{21}$

10. $\dfrac{11}{12} - \dfrac{3}{12}$

11. $\dfrac{7}{10} + \dfrac{2}{5}$

12. $\dfrac{17}{20} - \dfrac{9}{20}$

13. $\dfrac{1}{8} + \dfrac{2}{9}$

14. $\dfrac{7}{9} + \dfrac{11}{12}$

15. $\dfrac{5}{6} - \dfrac{3}{8}$

16. $\dfrac{1}{3} + \dfrac{4}{35}$

17. $\dfrac{9}{26} + \dfrac{3}{13}$

18. $\dfrac{5}{7} - \dfrac{10}{21}$

19. $\dfrac{11}{12} - \dfrac{3}{16}$

20. $15 - \dfrac{7}{3}$

21. $\dfrac{5}{8} - \dfrac{3}{4} + \dfrac{31}{12}$

EXTRA PRACTICE — Answer Key

Unit I – The Structure of Mathematics
Part C – Further Investigation of Operation Symbols
Lesson 5 – Operations with Fractions - Addition and Subtraction

Find the answers to each of the following problems, showing the arithmetic of each step and simplifying your result.

1. $\dfrac{4}{5}$

2. $\dfrac{4}{9}$

3. $\dfrac{1}{4}$

4. $\dfrac{3}{8}$

5. $\dfrac{1}{3}$

6. $\dfrac{13}{15}$

7. 3

8. $\dfrac{7}{5}$

9. $\dfrac{6}{7}$

10. $\dfrac{2}{3}$

11. $\dfrac{11}{10}$

12. $\dfrac{2}{5}$

13. $\dfrac{25}{72}$

14. $\dfrac{61}{36}$

15. $\dfrac{11}{24}$

16. $\dfrac{47}{105}$

17. $\dfrac{15}{26}$

18. $\dfrac{5}{21}$

19. $\dfrac{35}{48}$

20. $\dfrac{38}{3}$

21. $\dfrac{59}{24}$