EXTRA PRACTICE - Exercises

Unit 1 – The Structure of Mathematics
Part C – Further Investigation of Operation Symbols
Lesson 4 – Operations with Fractions - Multiplication

Draw a rectangle to show the multiplication of fractions for each of the following problems.

1. $\dfrac{1}{3}\ \dfrac{1}{6}$

2. $\dfrac{2}{5}\ \dfrac{4}{7}$

3. $\dfrac{3}{4}\ \dfrac{3}{5}$

4. $\dfrac{5}{8}\ \dfrac{2}{3}$

5. $\dfrac{2}{7}\ \dfrac{5}{9}$

Find the answer to the following multiplication problems, showing the arithmetic of the operation and simplifying the resutlt.

6. $\dfrac{5}{6}\ \dfrac{2}{5}$

7. $\dfrac{4}{9}\ \dfrac{3}{5}$

8. $\dfrac{3}{4}\ \dfrac{8}{9}$

9. $\dfrac{5}{7}\ \dfrac{14}{15}$

10. $\dfrac{4}{9}\ \dfrac{6}{7}$

11. $\dfrac{3}{4}\ \dfrac{1}{2}$

12. $\dfrac{3}{8}\ \dfrac{16}{21}$

13. $\dfrac{9}{37}\ \dfrac{5}{6}$

14. $\dfrac{3}{2}\ \dfrac{4}{9}$

15. $\dfrac{5}{16}\ \dfrac{4}{17}$

16. $\dfrac{4}{3}\ \dfrac{5}{12}$

17. $\dfrac{4}{7}\ \dfrac{5}{9}$

18. $\dfrac{4}{5}\ \dfrac{7}{8}$

19. $\dfrac{6}{11}\ \dfrac{33}{34}$

20. $\dfrac{33}{8}\ \dfrac{16}{3}$

21. $\dfrac{5}{9}\ \dfrac{8}{25}$

22. $\dfrac{2}{3}\ \dfrac{1}{2}\ \dfrac{6}{7}$

23. $\dfrac{36}{50}\ \dfrac{75}{48}$

24. $\dfrac{11}{4}\ \dfrac{14}{11}\ \dfrac{11}{7}$

25. $\dfrac{25}{6}\ \dfrac{16}{5}\ \dfrac{13}{10}$

Unit 1 – The Structure of Mathematics
Part C – Further Investigation of Operation Symbols
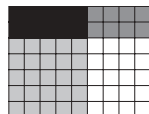## Lesson 4 – Operations with Fractions - Multiplication

Draw a rectangle to show the multiplication of fractions for each of the following problems.

1. $\dfrac{1}{18}$

2. $\dfrac{8}{35}$

3. $\dfrac{9}{20}$

4. $\dfrac{10}{24}$

5. $\dfrac{10}{63}$

Find the answer to the following multiplication problems, showing the arithmetic of the operation and simplifying the resutlt.

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

7. $\dfrac{4}{15}$

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

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

10. $\dfrac{8}{21}$

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

12. $\dfrac{2}{7}$

13. $\dfrac{15}{74}$

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

15. $\dfrac{5}{68}$

16. $\dfrac{5}{9}$

17. $\dfrac{20}{63}$

18. $\dfrac{7}{10}$

19. $\dfrac{9}{17}$

20. 22

21. $\dfrac{8}{45}$

22. $\dfrac{2}{7}$

23. $\dfrac{9}{8}$

24. $\dfrac{11}{2}$

25. $\dfrac{52}{3}$