GENMATHS RESOURCES

Task 1 – Add or subtract the following fractions. Fully simplify your answers.

1) $\frac{1}{4} + \frac{1}{4}$

2) $\frac{2}{5} + \frac{1}{5}$

3) $\frac{1}{3} + \frac{2}{9}$

4) $\frac{5}{8} - \frac{1}{8}$

5) $\frac{3}{7} + \frac{2}{7}$

6) $\frac{2}{3} - \frac{1}{6}$

7) $\frac{4}{9} + \frac{1}{3}$

8) $\frac{5}{6} - \frac{1}{2}$

9) $\frac{3}{4} + \frac{1}{6}$

10) $\frac{3}{5} - \frac{1}{8}$

11) $\frac{7}{10} + \frac{11}{15}$

12) $\frac{5}{6} - \frac{1}{7}$

13) $\frac{3}{12} + \frac{4}{15}$

14) $\frac{7}{8} - \frac{1}{3}$

15) $\frac{2}{3} + \frac{5}{6}$

Task 2 – Multiply or divide the following fractions. Fully simplify your answers.

16) $\frac{1}{2} \times \frac{3}{4}$

17) $\frac{2}{3} \times \frac{1}{5}$

18) $\frac{4}{7} \times \frac{2}{3}$

19) $\frac{5}{6} \div \frac{1}{2}$

20) $\frac{2}{5} \times \frac{3}{8}$

21) $\frac{3}{4} \div \frac{1}{3}$

22) $\frac{1}{2} \times \frac{2}{9}$

23) $\frac{4}{5} \div \frac{2}{3}$

24) $\frac{5}{8} \times \frac{3}{10}$

25) $\frac{1}{6} \div \frac{1}{2}$

26) $\frac{3}{5} \times \frac{1}{2}$

27) $\frac{7}{8} \div \frac{1}{4}$

28) $\frac{1}{3} \div \frac{2}{5}$

29) $\frac{2}{7} \times \frac{3}{5}$

30) $\frac{5}{9} \div \frac{5}{6}$

Task 3

31) Holly drank $\frac{2}{5}$ of a 1-litre bottle of water. How much of the bottle did she drink in litres?

32) A recipe needs $\frac{3}{4}$ cup of sugar. How many cups are needed for 2 batches?

33) Tom reads 1/6 of his book each day. How much will he read in 3 days?

34) Emma has eaten $\frac{2}{3}$ of a cake. Then she gives $\frac{1}{2}$ of what's left to her brother. What fraction of the cake does her brother get?

35) Liam cycled $\frac{3}{8}$ of his route before lunch and $\frac{1}{4}$ after lunch. How much did he cycle altogether?

36) A jug contains $\frac{5}{6}$ of a litre of juice. If you pour out $\frac{1}{2}$ a litre, how much is left?

37) Lucy buys $\frac{1}{2}$ metre of ribbon. She cuts it into 4 equal pieces. How long is each piece?

38) Calculate and fully simplify:
$$\frac{1}{8} + \frac{2}{4} + \frac{3}{5}$$

39) Calculate and fully simplify:
$$\frac{9}{10} - \frac{1}{5} - \frac{2}{7}$$

40) Calculate and fully simplify:
$$\frac{4}{7} \times \frac{1}{3} \div \frac{3}{8}$$