MIXED NUMBER OPERATIONS

Task 1 – Work out the following calculations. Give your answers as fully simplified mixed numbers.

1) $2\frac{1}{4} + 3\frac{2}{3}$

2) $1\frac{3}{5} + 2\frac{4}{5}$

3) $5\frac{1}{2} + 1\frac{1}{4}$

4) $3\frac{2}{7} + 4\frac{5}{7}$

5) $6\frac{3}{8} + 2\frac{1}{2}$

6) $7\frac{1}{6} + 3\frac{5}{6}$

7) $1\frac{1}{2} + 4\frac{2}{3}$

8) $2\frac{3}{4} + 3\frac{1}{8}$

9) $9\frac{2}{5} + 1\frac{3}{10}$

10) $5\frac{1}{3} + 2\frac{5}{6}$

Task 2 – Work out the following calculations. Give your answers as fully simplified mixed numbers.

11) $6\frac{1}{2} - 2\frac{2}{3}$

12) $4\frac{3}{4} - 1\frac{1}{2}$

13) $8\frac{5}{6} - 3\frac{2}{3}$

14) $10 - 4\frac{3}{5}$

15) $7\frac{1}{3} - 2\frac{5}{6}$

16) $5\frac{3}{8} - 1\frac{7}{8}$

17) $6 - 2\frac{2}{3}$

18) $9\frac{2}{5} - 3\frac{4}{5}$

19) $7\frac{1}{4} - 5\frac{3}{4}$

20) $4\frac{2}{3} - 1\frac{5}{6}$

Task 3 – Work out the following calculations. Give your answers as fully simplified mixed numbers.

21) $1\frac{1}{2} \times 2$

22) $2\frac{2}{3} \times 1\frac{1}{2}$

23) $3\frac{1}{4} \times 2\frac{2}{5}$

24) $5 \times 1\frac{1}{4}$

25) $2\frac{1}{3} \times 3\frac{1}{2}$

26) $4\frac{1}{5} \times 2\frac{2}{3}$

27) $3 \times 1\frac{2}{5}$

28) $2\frac{1}{2} \times 2\frac{1}{2}$

29) $6\frac{1}{3} \times 1\frac{1}{2}$

30) $3\frac{3}{5} \times 2$

Task 4 – Work out the following calculations. Give your answers as fully simplified mixed numbers.

31) $4\frac{1}{2} \div 1\frac{1}{2}$

32) $5\frac{1}{4} \div 2$

33) $6 \div 1\frac{1}{2}$

34) $3\frac{3}{8} \div 1\frac{4}{5}$

35) $7\frac{1}{4} \div 2\frac{1}{2}$

36) $9 \div 1\frac{1}{2}$

37) $4\frac{2}{3} \div 2\frac{1}{3}$

38) $6\frac{3}{4} \div 1\frac{1}{2}$

39) $8\frac{1}{4} \div 2\frac{3}{5}$

40) $10\frac{1}{3} \div 3\frac{1}{2}$

Task 5 – Work out the following questions. Give your answers as fully simplified mixed numbers.

41) Ella baked $3\frac{1}{2}$ dozen cupcakes on Monday and $2\frac{2}{3}$ dozen on Tuesday. How many dozen did she bake in total?

42) A recipe needs $1\frac{1}{4}$ cups of sugar. If you want to make 3 batches, how much sugar is needed?

43) You have $7\frac{1}{2}$ litres of paint and use $1\frac{2}{3}$ litres per room. How many rooms can you paint?

44) A rope is $12\frac{1}{2}$ metres long. If it is cut into $3\frac{1}{8}$ metre pieces, how many full pieces can be cut?

45) Liam walked $4\frac{2}{5}$ miles in the morning and $2\frac{3}{10}$ miles in the evening. How much farther did he walk in the morning?