

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

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

**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?