Name: _____   Date: _____

Fractions (including decimals and percentages)

Add or subtract each pair of proper fractions or mixed numbers. Reduce all answers to their simplest terms and write any improper fraction answer as a mixed number.

1   **a)** $\frac{3}{7} + \frac{2}{3} =$ | 1 2/21 |

b) $\frac{4}{5} + \frac{5}{6} =$ | 1 19/30 |

c) $\frac{3}{4} + \frac{5}{8} =$ | 1 3/8 |

d) $\frac{5}{9} + \frac{7}{10} =$ | 1 23/90 |

1
4 marks

2   **a)** $\frac{3}{5} + 1\frac{3}{4} =$ | 2 7/20 |

b) $2\frac{7}{8} + \frac{5}{6} =$ | 3 17/24 |

c) $4\frac{2}{3} + \frac{7}{9} =$ | 5 4/9 |

d) $1\frac{2}{5} + 2\frac{4}{7} =$ | 3 34/35 |

e) $3\frac{1}{2} + 5\frac{5}{7} =$ | 9 3/14 |

f) $4\frac{7}{12} + 1\frac{5}{6} =$ | 6 5/12 |

2
6 marks

Fractions (including decimals and percentages)

3 **a)** $\frac{5}{9} - \frac{3}{7} =$ | 8/63 |

b) $\frac{7}{8} - \frac{3}{5} =$ | 11/40 |

c) $\frac{4}{7} - \frac{5}{12} =$ | 13/84 |

d) $\frac{5}{6} - \frac{3}{10} =$ | 8/15 |

3
4 marks

4 **a)** $1\frac{3}{4} - \frac{5}{7} =$ | 1 1/28 |

b) $2\frac{2}{3} - \frac{7}{12} =$ | 2 1/12 |

c) $2\frac{5}{8} - \frac{3}{10} =$ | 2 13/40 |

d) $3\frac{4}{5} - 1\frac{1}{9} =$ | 2 31/45 |

e) $4\frac{5}{6} - 2\frac{3}{8} =$ | 2 11/24 |

f) $5\frac{4}{9} - 3\frac{2}{3} =$ | 1 7/9 |

4
6 marks

● add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions | Page 2 of 2

Total: [ ] out of 20   Mastery: NYA | A | A&E