

# 10HM2 Fractions Second Homework

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

$$= \frac{16+15}{20} = \frac{31}{20} = 1\frac{11}{20}$$

$$6) \quad \frac{8}{9} \div \frac{2}{3}$$

$$= \frac{\cancel{4}^2}{\cancel{3}_1} \times \frac{\cancel{3}^1}{\cancel{2}_1} = \frac{4 \times 1}{3 \times 1}$$

$$= \frac{4}{3} = 1\frac{1}{3}$$

$$2) \quad \frac{9}{10} - \frac{1}{3}$$

$$= \frac{27-10}{30} = \frac{17}{30}$$

$$7) \quad 2\frac{2}{5} \times 1\frac{1}{8}$$

$$= \frac{\cancel{3}^2}{\cancel{5}_1} \times \frac{\cancel{9}^1}{\cancel{2}_1}$$

$$= \frac{3 \times 9}{5 \times 2} = \frac{27}{10} = 2\frac{7}{10}$$

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

$$= 4\frac{9+8}{12} = 4\frac{17}{12}$$

$$= 5\frac{5}{12}$$

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

$$= \frac{9}{4} \div \frac{9}{5}$$

$$= \frac{\cancel{9}^1}{4} \times \frac{\cancel{5}_1}{\cancel{9}_1} = \frac{5}{4} = 1\frac{1}{4}$$

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

$$= 1\cancel{2}^{\cancel{30}^+} \frac{6-25}{30}$$

$$= 1\frac{11}{30}$$

$$9) \quad 8\frac{1}{3} - 2\frac{4}{7}$$

$$= 5\cancel{6}^{\cancel{21}^+} \frac{7-12}{21}$$

$$= 5\frac{16}{21}$$

$$5) \quad \frac{\cancel{3}^1}{\cancel{10}^2} \times \frac{\cancel{5}^1}{\cancel{3}_1}$$

$$= \frac{3 \times 1}{2 \times 1} = \frac{3}{2} = 1\frac{1}{2}$$

$$10) \quad 3\frac{3}{4} \times 1\frac{1}{5}$$

$$= \frac{\cancel{3}^3}{\cancel{4}_2} \times \frac{\cancel{6}^3}{\cancel{5}_1}$$

$$= \frac{3 \times 3}{2 \times 1} = \frac{9}{2} = 4\frac{1}{2}$$