

10HM2 Fractions Homework

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

$$= \frac{14+12}{21} = \frac{26}{21} = 1\frac{5}{21}$$

$$6) \quad \frac{7}{3} \div \frac{7}{8}$$

$$= \frac{7}{3} \times \frac{8}{7}$$

$$= \frac{1 \times 8}{3 \times 1} = \frac{8}{3} = 2\frac{2}{3}$$

$$2) \quad \frac{7}{8} - \frac{3}{5}$$

$$= \frac{35-24}{40} = \frac{11}{40}$$

$$7) \quad 2\frac{1}{4} \times 1\frac{2}{3}$$

$$= \frac{9}{4} \times \frac{5}{3}$$

$$= \frac{3 \times 5}{4 \times 1} = \frac{15}{4} = 3\frac{3}{4}$$

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

$$= 5\frac{5+8}{10}$$

$$= 5\frac{13}{10} = 6\frac{3}{10}$$

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

$$= \frac{9}{2} \div \frac{4}{3}$$

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

$$= \frac{27}{8} = 3\frac{3}{8}$$

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

$$= 4\cancel{5}^{\frac{12+}{3-2}} = \frac{12+3-8}{12}$$

$$= 4\frac{7}{12}$$

$$9) \quad 7\frac{1}{4} - 2\frac{4}{5}$$

$$= 4\cancel{5}^{\frac{20+}{5-16}} = \frac{20+5-16}{20}$$

$$= 4\frac{9}{20}$$

$$5) \quad \frac{5}{16} \times \frac{4}{3}$$

$$= \frac{5 \times 1}{4 \times 1} = \frac{5}{4} = 1\frac{1}{4}$$

$$10) \quad 7\frac{1}{2} \times 1\frac{1}{5}$$

$$= \frac{15}{2} \times \frac{6}{5}$$

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