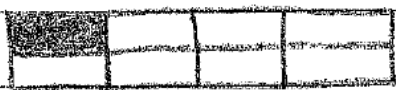


Estimating with Fractions

Fractions Close to 0



$$\frac{1}{8} \approx 0$$

Ex. $\frac{1}{5}, \frac{2}{15}, \frac{5}{10}, \frac{1}{11}$

Fractions Close to $\frac{1}{2}$



$$\frac{6}{11} \approx \frac{1}{2}$$

Ex. $\frac{4}{7}, \frac{11}{20}, \frac{23}{51}, \frac{49}{82}$

Fractions Close to 1



$$\frac{9}{10} \approx 1$$

Ex. $\frac{5}{6}, \frac{11}{12}, \frac{17}{19}, \frac{101}{105}$

Estimate.

$$1) \frac{1}{9} + \frac{4}{5} \approx 0 + 1 = 1$$

$$2) 8\frac{1}{8} - 3\frac{5}{9} \approx 8 - 3\frac{1}{2} = \boxed{4\frac{1}{2}}$$

$$3) 7\frac{1}{3} \times 4\frac{6}{11} \approx 7 \times 5 = \boxed{35}$$

(With \times , estimate to nearest whole number)

Estimate using compatible numbers.

$$4) \frac{1}{9} \times 28 \approx \frac{1}{9} \times 27 = \boxed{3}$$

$$5) 14\frac{1}{7} \div 4\frac{2}{3} \approx 15 \div 5 = \boxed{3}$$