M3.L13 - Estimating Fractions/Mixed Numbers Mark jogged 32/35 Km more than his sister. 3=-2= 3年 Km m 25 Km ? 60 35 Fuency $\frac{1}{4} = \frac{25}{100} = 0.25$ $\frac{3}{4} = \frac{35}{100} = 0.75$ $\frac{1}{50} = \frac{2}{100} = 0.02$ 10 = 0.1 3 = 6 = 0.06 $\frac{3}{10} = 0.3$ $5\frac{2}{3} = 5.75$ 表=0.7 430 = 4.06 \frac{1}{a} = \frac{5}{10} = 0.5 $\frac{1}{25} = \frac{4}{100} = 0.04$ 1= = 1.5 $\frac{2}{25} = \frac{8}{100} = 0.08$ $\frac{1}{5} = \frac{2}{10} = 0.2$ $\frac{2}{5} = \frac{1}{10} = 0.4$ $\frac{2}{5} = \frac{2}{10} = 0.8$ $\frac{2}{5} = \frac{2}{10} = 2.8$ $5\frac{3}{25} = 5\frac{12}{100} = 5.12$ 20 = 5 = 100 = 100 0.05 $\frac{11}{20} = \frac{55}{100} = 0.55$

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$$\frac{1}{4} + \frac{1}{2} = \frac{2}{6} \times \frac{1}{4} + \frac{2}{4} = \frac{3}{4} \checkmark$$

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$$\frac{1}{2} + \frac{3}{8} = \frac{7}{8} + \frac{3}{8} = \frac{7}{8}$$

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

$$\frac{5}{6} - \frac{2}{3} = \frac{3}{3} + \frac{4}{6} = \frac{1}{6}$$

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

$$\frac{1}{2} + \frac{1}{2} = \frac{3}{4} + \frac{1}{2}$$

$$\frac{2}{5} - \frac{2}{3}$$

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- 1. Are the following expressions greater than or less than 1? Circle the correct answer.
 - a. $\frac{1}{2} + \frac{2}{7}$

greater than 1

less than 1

b. $\frac{5}{8} + \frac{3}{5}$

greater than 1

less than 1

greater than 1

less than 1

(d) $3\frac{5}{8} - 2\frac{5}{9}$

greater than 1

less than 1

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- 2. Are the following expressions greater than or less than $\frac{1}{2}$? Circle the correct answer.
 - (a) $\frac{1}{4} + \frac{2}{3}$

greater than $\frac{1}{2}$

less than $\frac{1}{2}$

b. $\frac{3}{7} - \frac{1}{8}$

greater than $\frac{1}{2}$

less than $\frac{1}{2}$

 $\frac{1}{7} - \frac{7}{8}$

greater than $\frac{1}{2}$

less than $\frac{1}{2}$

d. $\frac{3}{7} + \frac{2}{6}$

greater than $\frac{1}{2}$

less than $\frac{1}{2}$ $\frac{18}{42} + \frac{14}{42} = \frac{32}{42} \frac{16}{21}$

- 3. Use > , < , or = to make the following statements true.
 - (a) $5\frac{2}{3} + 3\frac{3}{4}$ $\geq 8\frac{2}{3}$

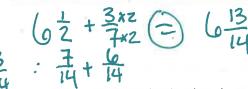
b. $4\frac{5}{8} - 3\frac{2}{5} - 1\frac{5}{8} + \frac{2}{5}$

(c.) $5\frac{1}{2} + 1\frac{3}{7}$ = $6 + \frac{13}{14}$

d. $15\frac{4}{7} - 11\frac{2}{5}$ $4\frac{4}{7} + \frac{2}{5}$

5= + 3= 8= +=





Use fraction benchmark numbers to assess reasonableness of addition