

NAME _____

Renaming Fractional Numbers

$\frac{17}{5}$ means $17 \div 5$.

$$\begin{array}{r} \overline{) 17} \\ 3 \text{ r } 2 \\ \underline{15} \\ 2 \end{array} \quad \text{or} \quad \begin{array}{r} 3 \\ \underline{15} \\ 2 \\ 5 \end{array}$$

$$\frac{17}{5} = 3\frac{2}{5}$$

$\frac{16}{3}$ means $16 \div$ _____.

$$\begin{array}{r} \overline{) 16} \\ 5 \text{ r } 1 \\ \underline{15} \\ 1 \end{array} \quad \text{or} \quad \begin{array}{r} 5 \\ \underline{15} \\ 1 \\ 3 \end{array}$$

$$\frac{16}{3} = \underline{\hspace{2cm}}$$

Rename each improper fraction as a mixed numeral.

a

1. $\frac{9}{4}$

b

$\frac{6}{5}$

c

$\frac{9}{8}$

2. $\frac{8}{3}$

$\frac{9}{5}$

$\frac{7}{3}$

3. $\frac{7}{4}$

$\frac{29}{6}$

$\frac{14}{3}$

4. $\frac{15}{7}$

$\frac{12}{5}$

$\frac{19}{9}$

5. $\frac{22}{7}$

$\frac{19}{2}$

$\frac{27}{5}$

6. $\frac{35}{8}$

$\frac{43}{7}$

$\frac{55}{6}$

Check your answers. Record your score.

Perfect score: 18

My score: _____

Renaming Numbers

$$\begin{aligned}2\frac{1}{4} &= 2 + \frac{1}{4} \\ &= \frac{8}{4} + \frac{1}{4} \\ &= \frac{8+1}{4} \\ &= \frac{9}{4}\end{aligned}$$

To rename 2 as fourths:

$$\begin{aligned}2 &= 2 \times 1 \\ &= \frac{2}{1} \times \frac{4}{4} \\ &= \frac{2 \times 4}{4} \\ &= \frac{8}{4}\end{aligned}$$

To change $2\frac{1}{4}$ to an improper fraction, first rename 2 as a fraction which has a denominator

of _____. Then find the sum of $\frac{8}{4}$

and _____.

Rename each mixed numeral as an improper fraction.

a

1. $2\frac{1}{3}$

b

$3\frac{1}{2}$

c

$4\frac{3}{4}$

2. $6\frac{4}{5}$

$3\frac{3}{8}$

$2\frac{5}{9}$

3. $2\frac{1}{5}$

$1\frac{2}{7}$

$5\frac{3}{7}$

4. $6\frac{5}{12}$

$7\frac{3}{10}$

$8\frac{6}{15}$

Check your answers. Record your score.

Perfect score: 12

My score: _____