PRACTICE | Answer each question below. You may find it useful to rewrite the fractions in each problem as mixed numbers.

68. How many whole numbers are between $\frac{39}{7}$ and $\frac{44}{3}$? **68.** _____

69. Circle the fraction below that is closest to 10.

$\frac{79}{5}$ $\frac{17}{11}$ $\frac{111}{8}$ $\frac{51}{4}$

70. Write the four fractions below in order from least to greatest. **70.** _____ _____ _____ _____

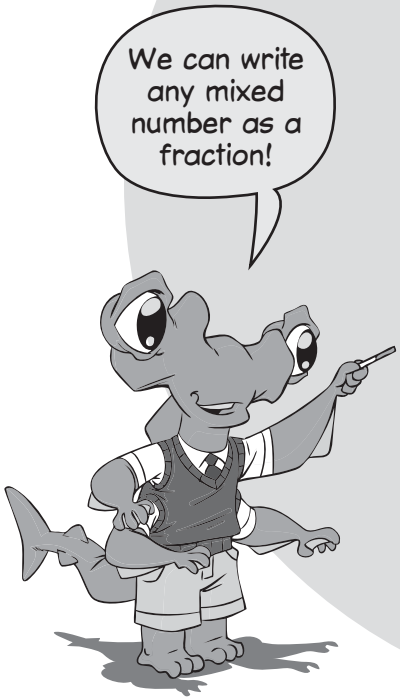
$\frac{59}{9}$ $\frac{27}{5}$ $\frac{45}{11}$ $\frac{31}{8}$

71. ★ Between which two consecutive whole numbers is $\frac{50}{6}+\frac{65}{7}$? **71.** Between _____ and _____

72. ★ Place < or > in the circle to compare the expressions below.

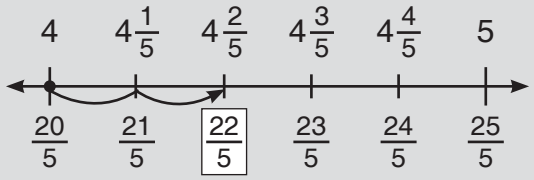
$$\frac{33}{4}+\frac{23}{7} \bigcirc \frac{15}{2}+\frac{33}{16}$$

EXAMPLE | Write $4\frac{2}{5}$ as a fraction in simplest form.



$4\frac{2}{5}$ is two fifths more than 4, and $4 = \frac{20}{5}$.

So, $4\frac{2}{5} = 4 + \frac{2}{5} = \frac{20}{5} + \frac{2}{5} = \frac{22}{5}$.



$\frac{22}{5}$ cannot be simplified.

Therefore, as a fraction in simplest form,

$$4\frac{2}{5} = \mathbf{\frac{22}{5}}.$$

PRACTICE | Write each mixed number as a fraction in simplest form.

73. $5\frac{1}{2} =$

74. $7\frac{2}{3} =$

75. $11\frac{6}{7} =$

76. $4\frac{4}{10} =$

77. $6\frac{4}{5} =$

78. $9\frac{4}{9} =$

EXAMPLE

Write the next four numbers in the skip-counting pattern below. Then, rewrite the pattern with the numbers in simplest form.

$\frac{1}{10}, \frac{2}{10}, \frac{3}{10}, \square, \square, \square, \square$

We add $\frac{1}{10}$ to each number to get the next number.

$\overset{+\frac{1}{10}}{\frown}\ \overset{+\frac{1}{10}}{\frown}\ \overset{+\frac{1}{10}}{\frown}\ \overset{+\frac{1}{10}}{\frown}$

$\frac{1}{10}, \frac{2}{10}, \frac{3}{10}, \boxed{\mathbf{\frac{4}{10}}}, \boxed{\mathbf{\frac{5}{10}}}, \boxed{\mathbf{\frac{6}{10}}}, \boxed{\mathbf{\frac{7}{10}}}$

Then, we rewrite the pattern, simplifying when possible.

$\frac{1}{10}, \mathbf{\frac{1}{5}}, \frac{3}{10}, \mathbf{\frac{2}{5}}, \mathbf{\frac{1}{2}}, \mathbf{\frac{3}{5}}, \frac{7}{10}$

PRACTICE Follow the directions to complete each skip-counting pattern below.

79. Count by elevenths starting at $\frac{1}{11}$.

$\frac{1}{11}, \frac{2}{11}, \frac{3}{11}, \square, \square, \square, \square$

80. Count by eighths starting at $\frac{1}{8}$.

$\frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \square, \square, \square, \square$

One the line below, write all seven numbers in the sequence above in simplest form.

_____

81. Count by ninths starting at $\frac{4}{9}$.

$\frac{4}{9}, \frac{5}{9}, \frac{6}{9}, \square, \square, \square, \square$

On the line below, write all seven numbers in the sequence above in simplest form. Use whole or mixed numbers when possible.

_____

PRACTICE Complete each skip-counting pattern below. Then, rewrite the pattern with the numbers in simplest form. Use whole or mixed numbers when possible.

82. Count by fourths starting at $\frac{3}{4}$.

$\frac{3}{4}$, $\frac{4}{4}$, $\frac{5}{4}$, $\square$, $\square$, $\square$, $\square$

One the line below, write the sequence above with each number in simplest form.

_____

83. Complete the skip-counting pattern below.

$\frac{3}{12}$, $\frac{5}{12}$, $\frac{7}{12}$, $\square$, $\square$, $\square$, $\square$

On the line below, write the sequence above with each number in simplest form.

_____

PRACTICE Fill in the missing numbers in each skip-counting pattern below. Write each number in simplest form, using whole or mixed numbers when possible.

84. $\frac{2}{35}$, $\frac{3}{35}$, $\frac{4}{35}$, $\square$, $\square$, $\square$, $\square$

85. ★ $\frac{1}{6}$, $\frac{1}{3}$, $\square$, $\square$, $\frac{5}{6}$, $\square$, $\square$

86. ★★ $\frac{1}{3}$, $\frac{3}{5}$, $\frac{13}{15}$, $\square$, $\square$, $\square$, $\square$