SKILL BOOSTERS: FRACTION CONCEPTS
PRE-ASSESSMENT

Answer Key

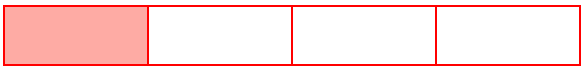
1. Write 4 ÷ 10 in three different ways.

$\frac{4}{10}$ $10\overline{)4}$ 4 divided by 10

2. Write $\frac{20}{24}$ in simplest form. Show your work.

$\frac{20}{44} \div \boxed{\frac{4}{4}} = \frac{5}{6}$

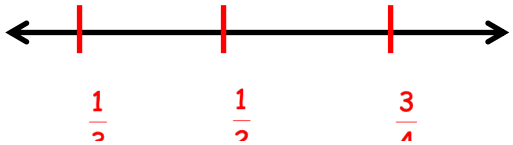
3. Draw a picture of $\frac{1}{4}$ using an area model.



4. Write $3\frac{3}{4}$ as a sum.

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

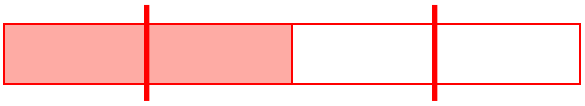
5. Place $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{3}{4}$ on the number line. Explain your reasoning.



6. Write $3\frac{3}{4}$ as an improper fraction.

$\frac{15}{4}$

7. Show that $\frac{1}{2} = \frac{2}{4}$ using a diagram.



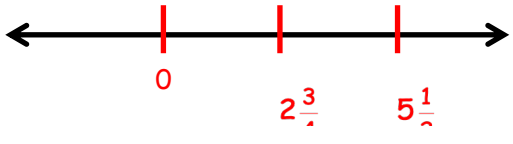
8. Write $\frac{8}{3}$ as a mixed number and as a sum.

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

9. Find n: $\frac{3}{4} = \frac{n}{12}$. Show your work.

$\frac{3}{4} \cdot \boxed{\frac{3}{3}} = \frac{9}{12}$ $n = 9$

10. Locate $5\frac{1}{2}$ and $2\frac{3}{4}$ on the number line.



SKILL BOOSTERS: FRACTION CONCEPTS
POST-ASSESSMENT

Answer Key

1. Write 7 divided by 8 in three different ways.

$\frac{7}{8}$ $8\overline{)7}$ $7 \div 8$

2. Write $\frac{28}{42}$ in simplest form. Show your work.

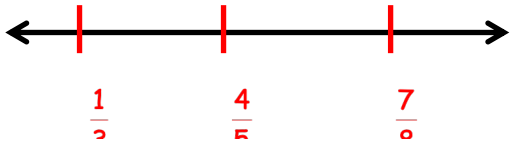
$\frac{28}{42} \div \frac{14}{14} = \frac{2}{3}$

3. Draw a picture of $\frac{5}{8}$ using an area model.

4. Write $4\frac{5}{8}$ as a sum.

$4 + \frac{5}{8}$

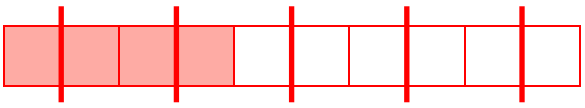
5. Place $\frac{1}{3}$, $\frac{4}{5}$, and $\frac{7}{8}$ on the number line. Explain your reasoning.



6. Write $4\frac{5}{8}$ as an improper fraction.

$\frac{37}{8}$

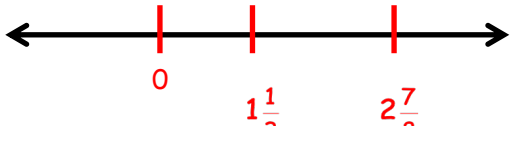
7. Show that $\frac{2}{5} = \frac{4}{10}$ using a diagram.



8. Write $\frac{18}{4}$ as a mixed number and as a sum.

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

9. Find n: $\frac{5}{8} = \frac{n}{24}$. Show your work.

$\frac{5}{8} \cdot \frac{3}{3} = \frac{15}{24}$ $n = 15$

10. Locate $2\frac{7}{8}$ and $1\frac{1}{3}$ on the number line.