

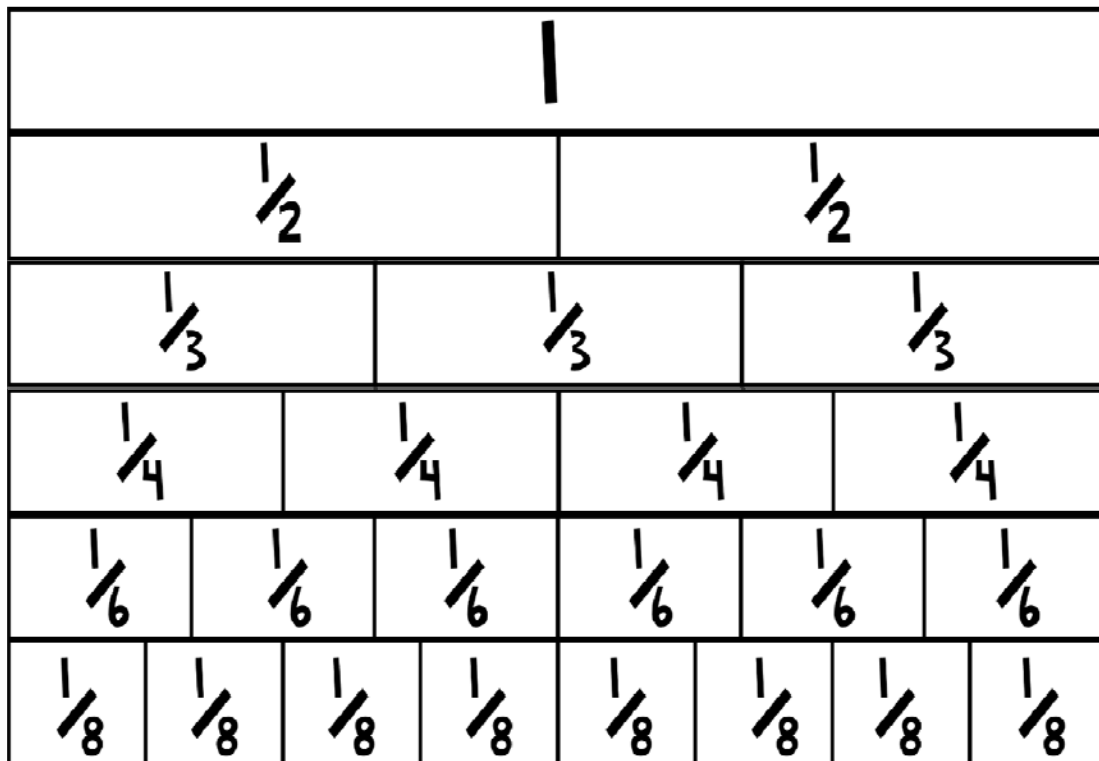
Comparing Fractions Problem Solvers



Comparing
fractions
using visual
models
3.NF.A.3

Name: Date:

Comparing Fractions Problem Solvers I



Use the above fraction chart to answer the following:

1) a) What fractions are equivalent to $\frac{2}{4}$:

b) What fraction is equivalent to $\frac{6}{8}$:

2) Compare the following using comparison symbols ($<$, $>$, or $=$):

a) $\frac{4}{4}$ $\frac{4}{8}$ b) $\frac{1}{2}$ $\frac{2}{3}$ c) $\frac{3}{3}$ $\frac{8}{8}$

d) $\frac{1}{4}$ $\frac{1}{8}$ e) $\frac{1}{2}$ $\frac{4}{8}$ f) $\frac{3}{8}$ $\frac{2}{6}$

Name: Date:

Comparing Fractions Problem Solvers 2

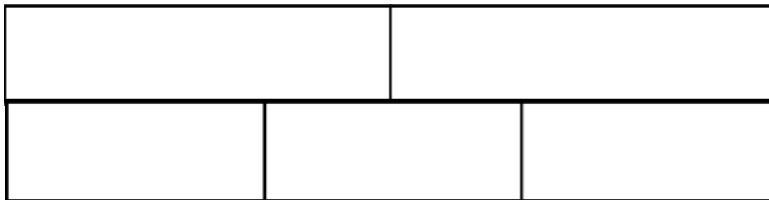
Directions: Shade in each fraction on the fraction bars, then compare using a comparison symbol (<, >, or =).

1)



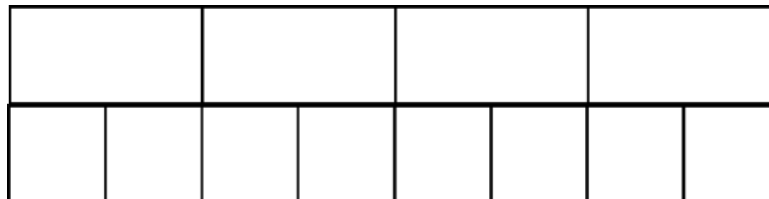
$$\frac{1}{4} \text{ ---- } \frac{3}{8}$$

2)



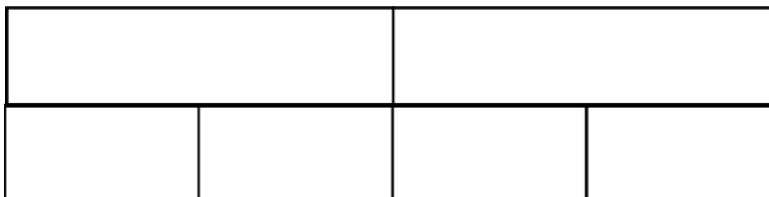
$$\frac{3}{3} \text{ ---- } \frac{1}{2}$$

3)



$$\frac{3}{4} \text{ ---- } \frac{6}{8}$$

4)



$$\frac{2}{2} \text{ ---- } \frac{3}{4}$$

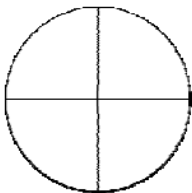
Name: _____ Date: _____

Comparing Fractions Problem Solvers 3

Directions: Shade in each fraction, then compare using a comparison symbol (<, >, or =).

1)

$\frac{1}{4}$

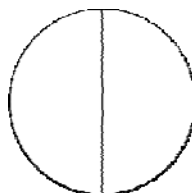


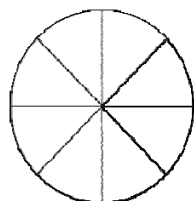


$\frac{1}{3}$

2)

$\frac{1}{2}$

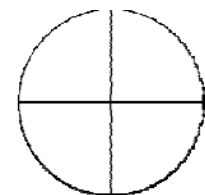


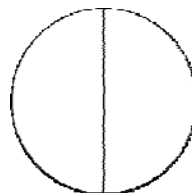


$\frac{4}{8}$

3)

$\frac{3}{4}$

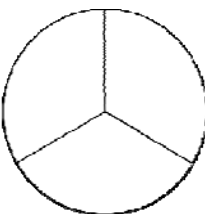


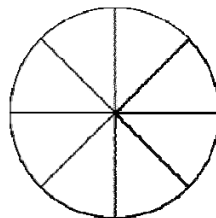


$\frac{1}{2}$

4)

$\frac{2}{3}$

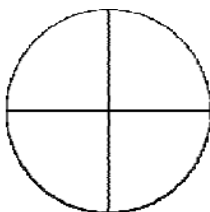




$\frac{6}{8}$

5)

$\frac{4}{4}$



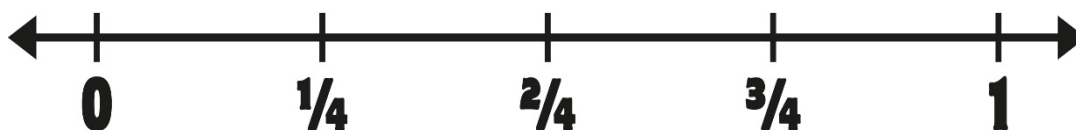


$\frac{3}{3}$

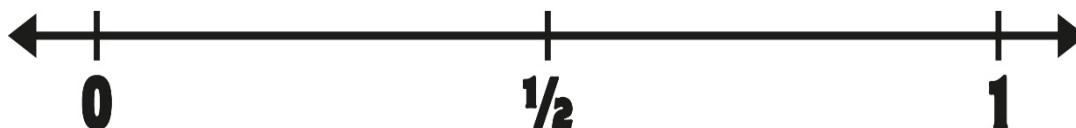
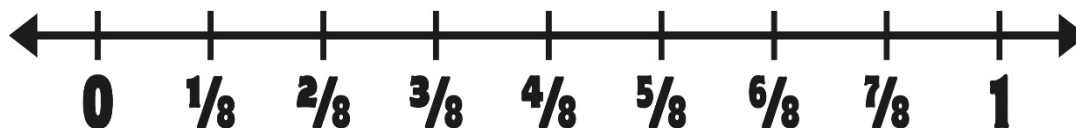
Name: _____ Date: _____

Comparing Fractions Problem Solvers 4

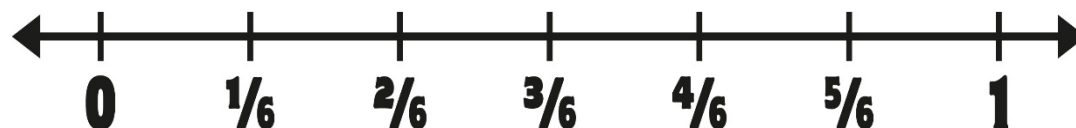
Directions: Plot each fraction on the number line, then compare using a comparison symbol ($<$, $>$, or $=$).



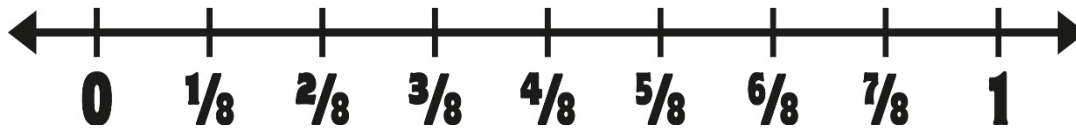
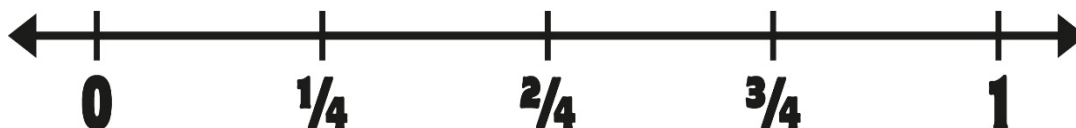
$$\frac{1}{4} \text{ ---- } \frac{2}{3}$$



$$\frac{3}{8} \text{ ---- } \frac{1}{2}$$



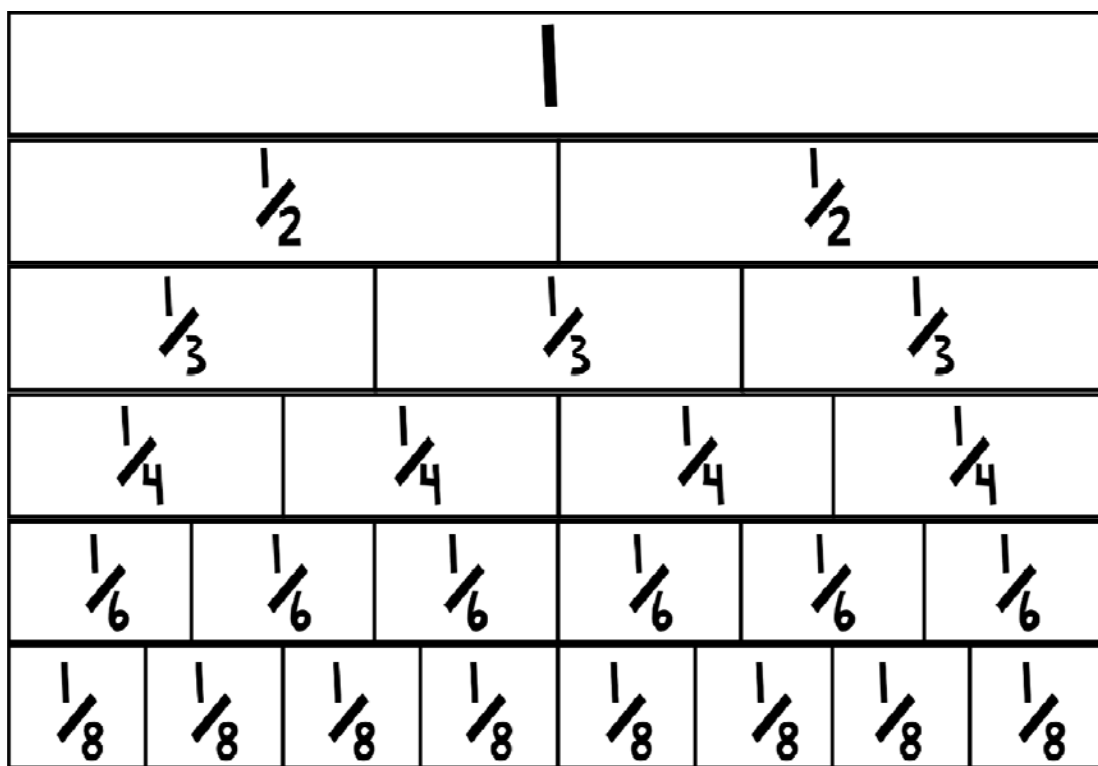
$$\frac{3}{6} \text{ ---- } \frac{3}{3}$$



$$\frac{3}{4} \text{ ---- } \frac{6}{8}$$

Name: _____ Date: _____ Score: _____

Comparing Fractions Problem Solvers Check-In Assessment



Use the above fraction chart to answer the following:

1) Name two fractions that are equivalent to $\frac{6}{6}$: _____

2) What fraction is equivalent to $\frac{1}{4}$: _____

2) Compare the following using comparison symbols ($<$, $>$, or $=$):

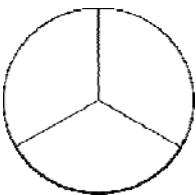
a) $\frac{1}{6}$ _____ $\frac{3}{6}$ b) $\frac{1}{2}$ _____ $\frac{2}{6}$ c) $\frac{1}{8}$ _____ $\frac{1}{4}$

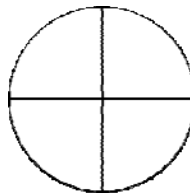
d) $\frac{1}{4}$ _____ $\frac{2}{8}$ e) $\frac{1}{2}$ _____ $\frac{2}{4}$ f) $\frac{8}{8}$ _____ $\frac{2}{2}$

Directions: Shade and compare using a comparison symbol (<, >, or =).

1)

$\frac{2}{3}$

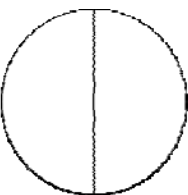


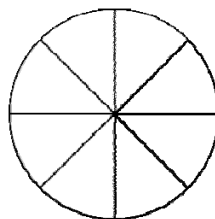


$\frac{2}{4}$

2)

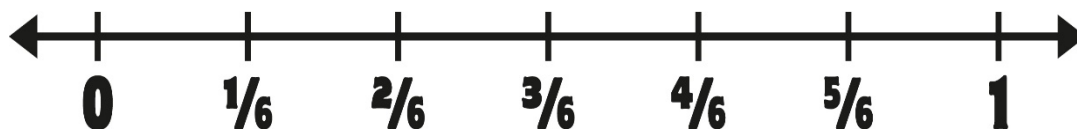
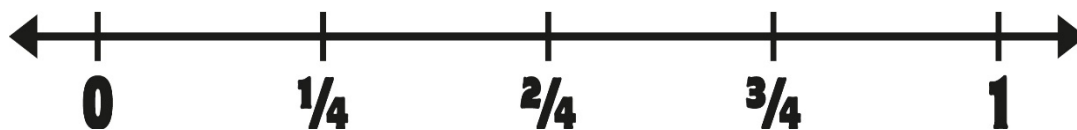
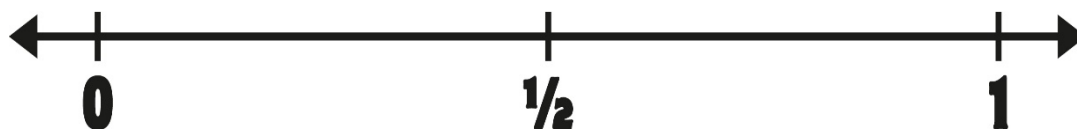
$\frac{1}{2}$





$\frac{6}{8}$

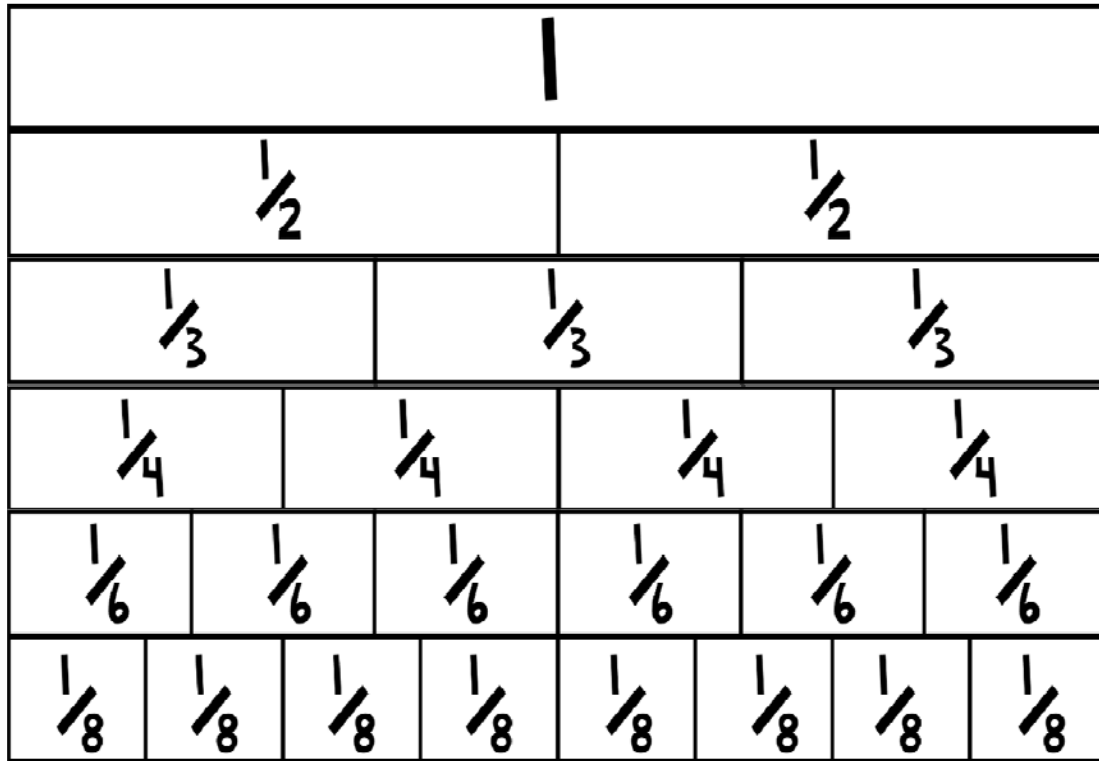
Directions: Use the number lines below to solve each problem using a comparison symbol (<, >, or =).



a) $\frac{3}{4}$ _____ $\frac{2}{3}$ b) $\frac{1}{2}$ _____ $\frac{2}{4}$ c) $\frac{1}{6}$ _____ $\frac{1}{4}$

ANSWER KEY

Comparing Fractions Problem Solvers I



Use the above fraction chart to answer the following:

1) a) What fractions are equivalent to $\frac{2}{4}$: $\frac{1}{2}$, $\frac{3}{6}$, $\frac{4}{8}$

b) What fraction is equivalent to $\frac{6}{8}$: $\frac{3}{4}$

2) Compare the following using comparison symbols ($<$, $>$, or $=$):

a) $\frac{4}{4} > \frac{4}{8}$ b) $\frac{1}{2} < \frac{2}{3}$ c) $\frac{3}{3} = \frac{8}{8}$

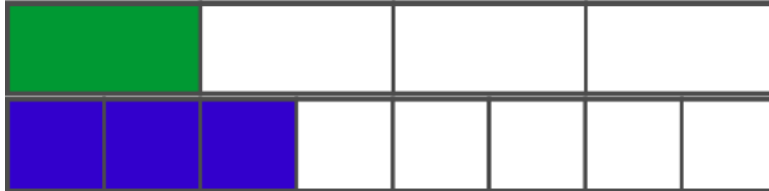
d) $\frac{1}{4} > \frac{1}{8}$ e) $\frac{1}{2} = \frac{4}{8}$ f) $\frac{3}{8} > \frac{2}{6}$

ANSWER KEY

Comparing Fractions Problem Solvers 2

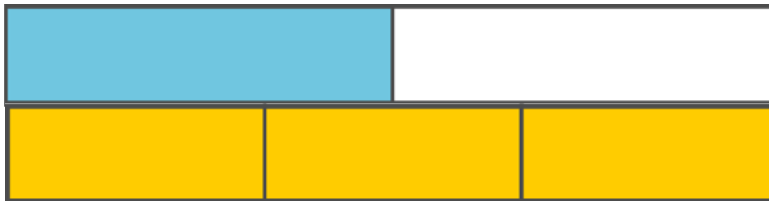
Directions: Shade in each fraction on the fraction bars, then compare using a comparison symbol ($<$, $>$, or $=$).

1)



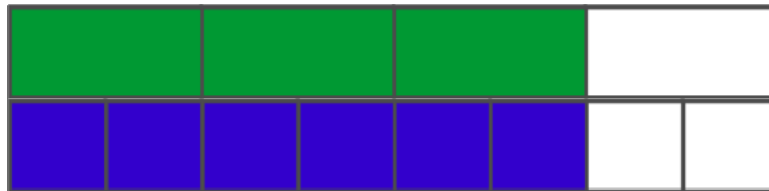
$$\frac{1}{4} < \frac{3}{8}$$

2)



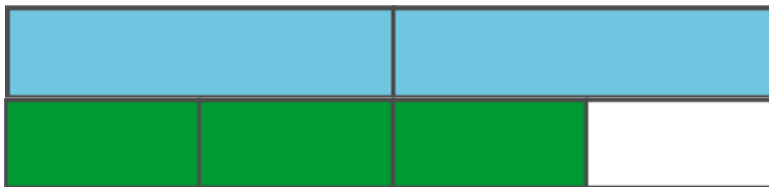
$$\frac{3}{3} > \frac{1}{2}$$

3)



$$\frac{3}{4} = \frac{6}{8}$$

4)



$$\frac{2}{2} > \frac{3}{4}$$

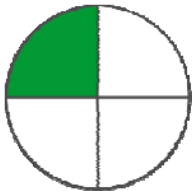
ANSWER KEY

Comparing Fractions Problem Solvers 3

Directions: Shade in each fraction, then compare using a comparison symbol (<, >, or =)

1)

$1/4$



<



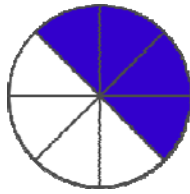
$1/3$

2)

$1/2$



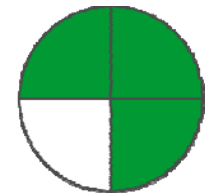
=



$4/8$

3)

$3/4$



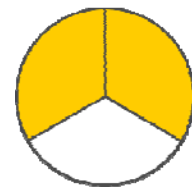
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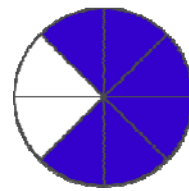
$1/2$

4)

$2/3$



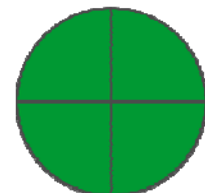
<



$6/8$

5)

$4/4$



=

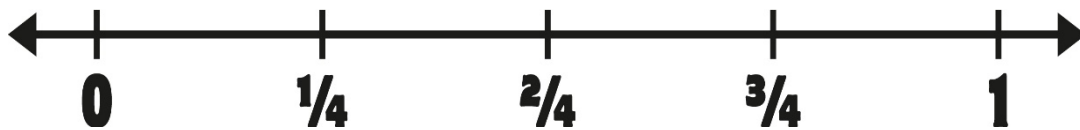


$3/3$

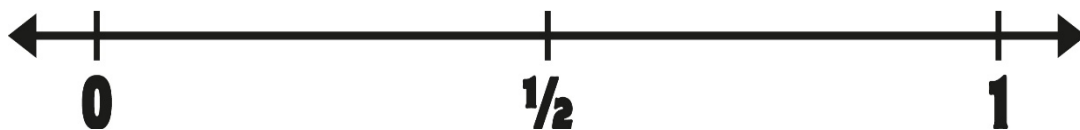
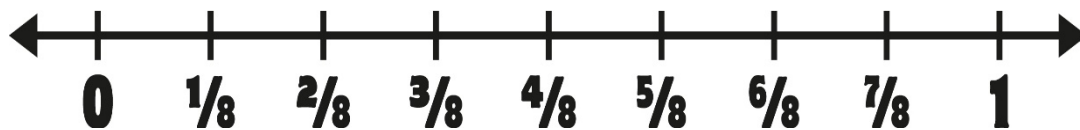
ANSWER KEY

Comparing Fractions Problem Solvers 4

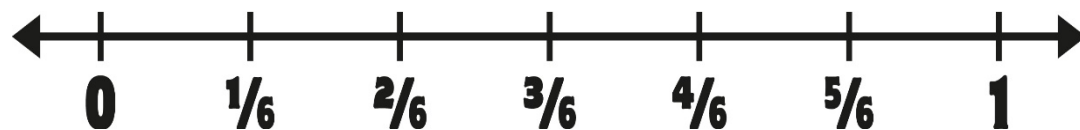
Directions: Plot each fraction on the number line, then compare using a comparison symbol ($<$, $>$, or $=$).



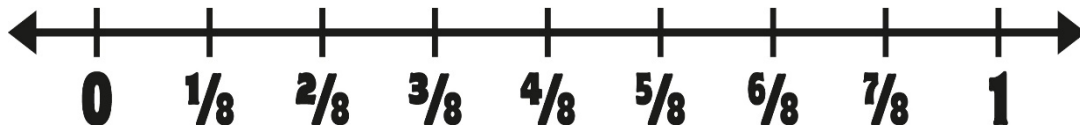
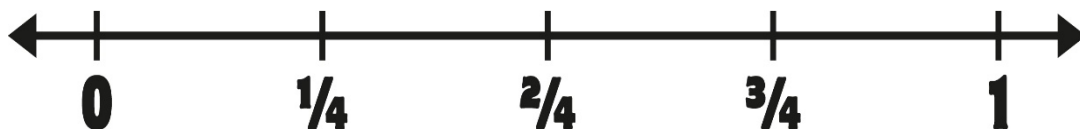
$$\frac{1}{4} < \frac{2}{3}$$



$$\frac{3}{8} < \frac{1}{2}$$



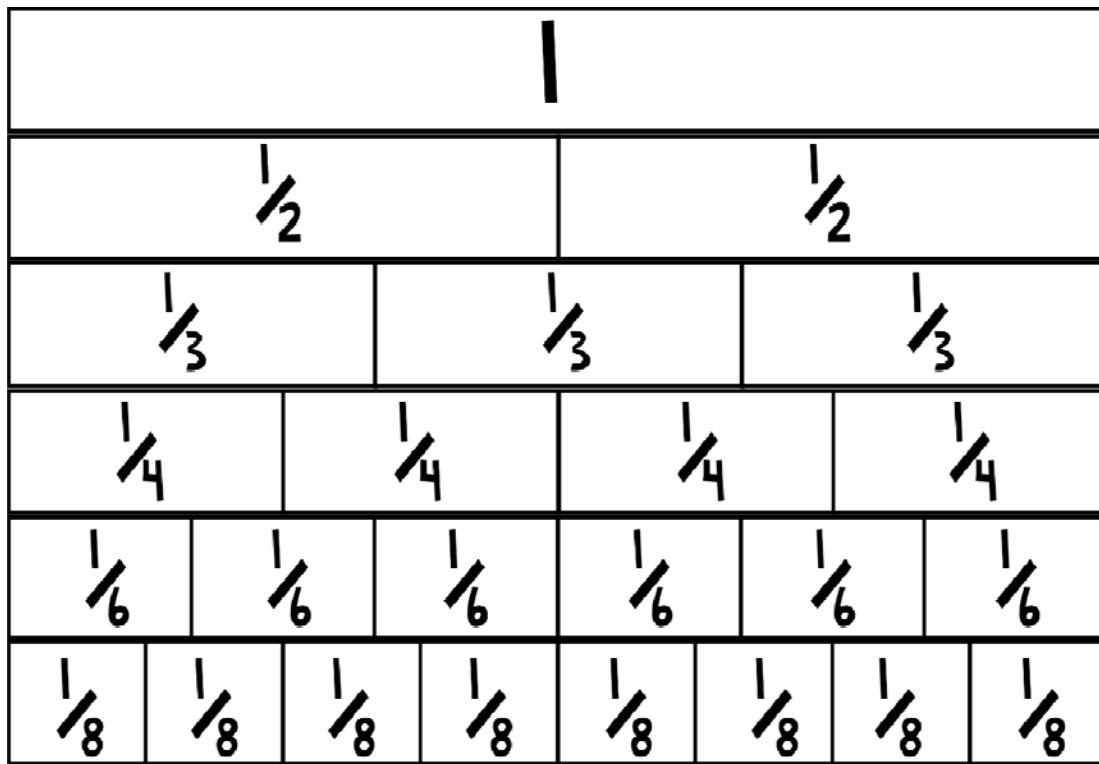
$$\frac{3}{6} < \frac{3}{3}$$



$$\frac{3}{4} = \frac{6}{8}$$

ANSWER KEY

Comparing Fractions Problem Solvers Check-In Assessment



Use the above fraction chart to answer the following:

1) Name two fractions that are equivalent to $\frac{6}{6}$: $\frac{1}{1}$, $\frac{2}{2}$, $\frac{3}{3}$, $\frac{4}{4}$, or $\frac{8}{8}$

2) What fraction is equivalent to $\frac{1}{4}$: $\frac{2}{8}$

2) Compare the following using comparison symbols ($<$, $>$, or $=$):

a) $\frac{1}{6} < \frac{3}{6}$ b) $\frac{1}{2} > \frac{2}{6}$ c) $\frac{1}{8} < \frac{1}{4}$

d) $\frac{1}{4} = \frac{2}{8}$ e) $\frac{1}{2} = \frac{2}{4}$ f) $\frac{8}{8} = \frac{2}{2}$

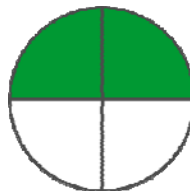
Directions: Shade and compare using a comparison symbol ($<$, $>$, $=$).

1)

$2/3$



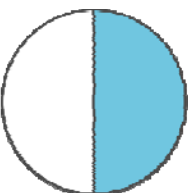
$>$



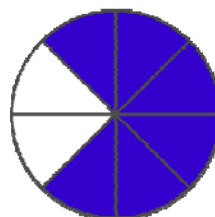
$2/4$

2)

$1/2$

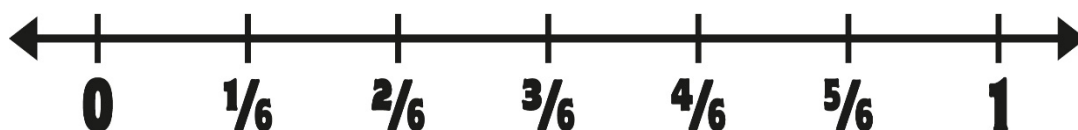
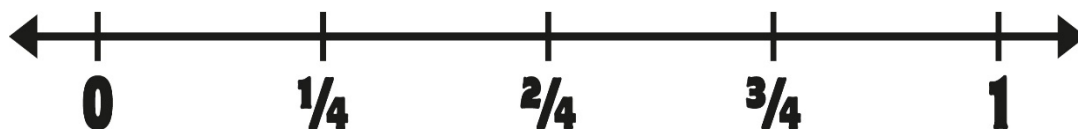
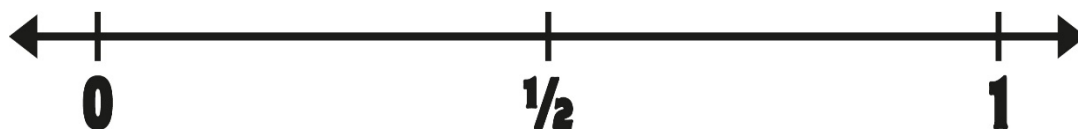


$<$



$6/8$

Directions: Use the number lines below to solve each problem using a comparison symbol ($<$, $>$, or $=$).



a) $3/4 > 2/3$ b) $1/2 = 2/4$ c) $1/6 < 1/4$

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