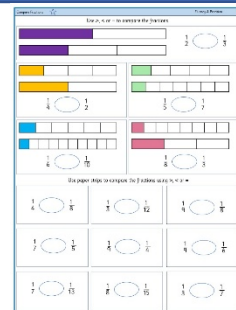


★ Compare Fractions

Children compare unit fractions. For unit fractions, their natural tendency might be to say that $\frac{1}{2}$ is smaller than $\frac{1}{4}$ as 2 is smaller than 4. Discuss how dividing something into more equal parts makes each part smaller.

On this sheet, they will compare unit fractions using two sets of pictorial images for comparison.

masterthecurriculum.co.uk

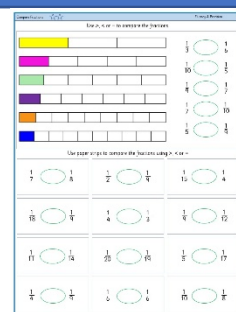


★★ Compare Fractions

Children compare unit fractions. For unit fractions, their natural tendency might be to say that $\frac{1}{2}$ is smaller than $\frac{1}{4}$ as 2 is smaller than 4. Discuss how dividing something into more equal parts makes each part smaller.

On this sheet, they will compare unit fractions using one set of pictorial representation.

masterthecurriculum.co.uk

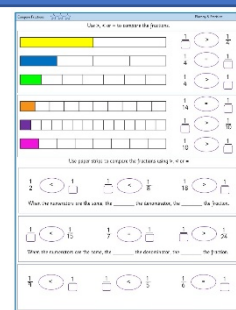


★★★ Compare Fractions

Children compare unit fractions. For unit fractions, their natural tendency might be to say that $\frac{1}{2}$ is smaller than $\frac{1}{4}$ as 2 is smaller than 4. Discuss how dividing something into more equal parts makes each part smaller.

On this sheet, they will compare unit fractions and complete missing number fractions.

masterthecurriculum.co.uk



Reasoning & Problem Solving

Compare Fractions

Children continue working on comparing unit fractions by solving reasoning tasks.

Compare Fractions

Reasoning & Problem Solving

3

Zach says,

I know that $\frac{1}{5}$ is larger than $\frac{1}{4}$ because 5 is larger than 4.

Do you agree with Zach?

Explain how you know.

Complete the missing denominator.

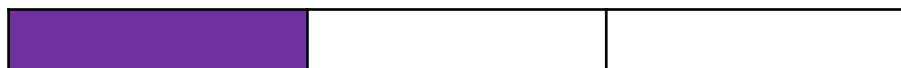
How many different options can you find?

$\frac{1}{5} > \frac{1}{\square} > \frac{1}{12}$

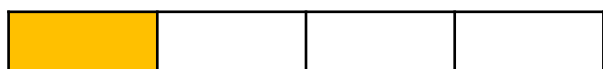
$\frac{1}{7} < \frac{1}{\square} < \frac{1}{3}$



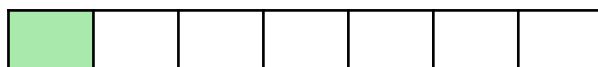
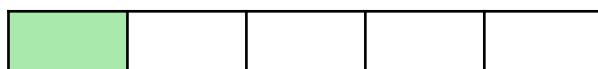
Use $>$, $<$ or $=$ to compare the fractions.



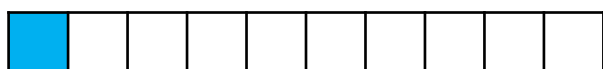
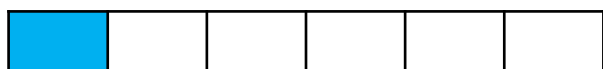
$$\frac{1}{2} \quad \bigcirc \quad \frac{1}{3}$$



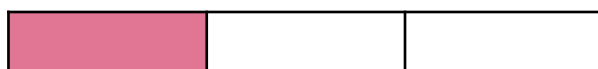
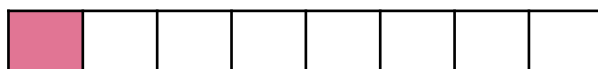
$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{2}$$



$$\frac{1}{5} \quad \bigcirc \quad \frac{1}{7}$$



$$\frac{1}{6} \quad \bigcirc \quad \frac{1}{10}$$



$$\frac{1}{8} \quad \bigcirc \quad \frac{1}{3}$$

Use paper strips to compare the fractions using $>$, $<$ or $=$

$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{8}$$

$$\frac{1}{3} \quad \bigcirc \quad \frac{1}{12}$$

$$\frac{1}{9} \quad \bigcirc \quad \frac{1}{8}$$

$$\frac{1}{7} \quad \bigcirc \quad \frac{1}{5}$$

$$\frac{1}{9} \quad \bigcirc \quad \frac{1}{4}$$

$$\frac{1}{9} \quad \bigcirc \quad \frac{1}{6}$$

$$\frac{1}{7} \quad \bigcirc \quad \frac{1}{13}$$

$$\frac{1}{8} \quad \bigcirc \quad \frac{1}{15}$$

$$\frac{1}{3} \quad \bigcirc \quad \frac{1}{7}$$



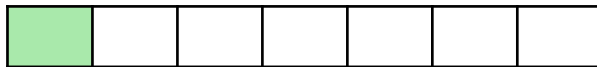
Use $>$, $<$ or $=$ to compare the fractions.



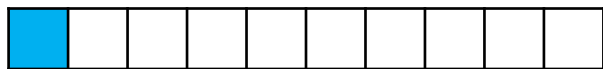
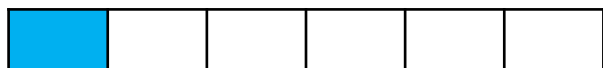
$$\frac{1}{2} > \frac{1}{3}$$



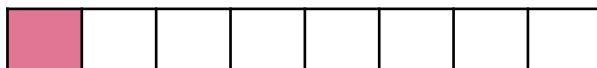
$$\frac{1}{4} < \frac{1}{2}$$



$$\frac{1}{5} > \frac{1}{7}$$



$$\frac{1}{6} > \frac{1}{10}$$



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

Use paper strips to compare the fractions using $>$, $<$ or $=$

$$\frac{1}{4} > \frac{1}{8}$$

$$\frac{1}{3} > \frac{1}{12}$$

$$\frac{1}{9} < \frac{1}{8}$$

$$\frac{1}{7} < \frac{1}{5}$$

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

$$\frac{1}{9} < \frac{1}{6}$$

$$\frac{1}{7} > \frac{1}{13}$$

$$\frac{1}{8} > \frac{1}{15}$$

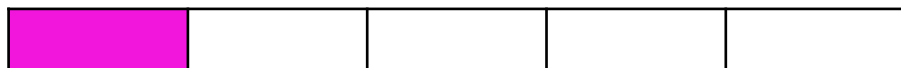
$$\frac{1}{3} > \frac{1}{7}$$



Use $>$, $<$ or $=$ to compare the fractions.



$$\frac{1}{3} \quad \bigcirc \quad \frac{1}{6}$$



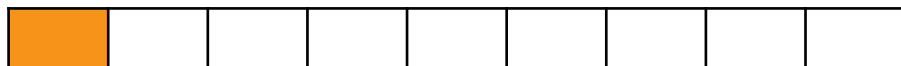
$$\frac{1}{10} \quad \bigcirc \quad \frac{1}{5}$$



$$\frac{1}{9} \quad \bigcirc \quad \frac{1}{7}$$



$$\frac{1}{7} \quad \bigcirc \quad \frac{1}{10}$$



$$\frac{1}{5} \quad \bigcirc \quad \frac{1}{9}$$



Use paper strips to compare the fractions using $>$, $<$ or $=$.

$$\frac{1}{7} \quad \bigcirc \quad \frac{1}{8}$$

$$\frac{1}{2} \quad \bigcirc \quad \frac{1}{9}$$

$$\frac{1}{15} \quad \bigcirc \quad \frac{1}{4}$$

$$\frac{1}{18} \quad \bigcirc \quad \frac{1}{9}$$

$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{3}$$

$$\frac{1}{9} \quad \bigcirc \quad \frac{1}{12}$$

$$\frac{1}{11} \quad \bigcirc \quad \frac{1}{14}$$

$$\frac{1}{20} \quad \bigcirc \quad \frac{1}{19}$$

$$\frac{1}{5} \quad \bigcirc \quad \frac{1}{17}$$

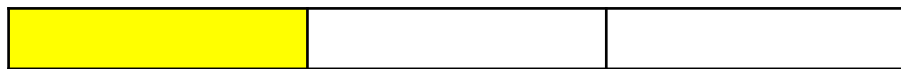
$$\frac{1}{4} \quad \bigcirc \quad \frac{1}{9}$$

$$\frac{1}{6} \quad \bigcirc \quad \frac{1}{6}$$

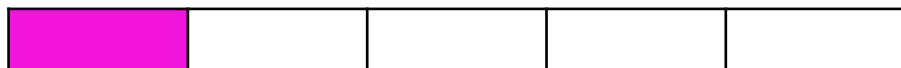
$$\frac{1}{10} \quad \bigcirc \quad \frac{1}{8}$$



Use $>$, $<$ or $=$ to compare the fractions.



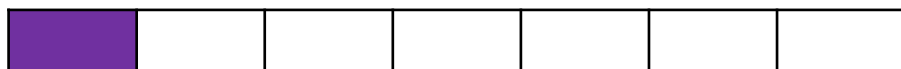
$$\frac{1}{3} > \frac{1}{6}$$



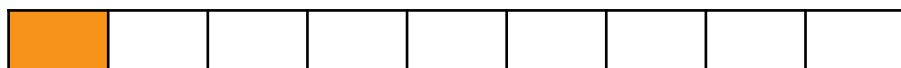
$$\frac{1}{10} < \frac{1}{5}$$



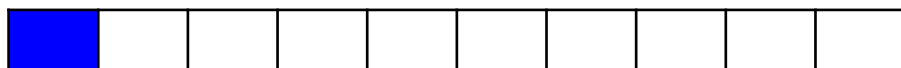
$$\frac{1}{9} < \frac{1}{7}$$



$$\frac{1}{7} > \frac{1}{10}$$



$$\frac{1}{5} > \frac{1}{9}$$



Use paper strips to compare the fractions using $>$, $<$ or $=$.

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

$$\frac{1}{2} > \frac{1}{9}$$

$$\frac{1}{15} < \frac{1}{4}$$

$$\frac{1}{18} < \frac{1}{9}$$

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

$$\frac{1}{9} > \frac{1}{12}$$

$$\frac{1}{11} > \frac{1}{14}$$

$$\frac{1}{20} < \frac{1}{19}$$

$$\frac{1}{5} > \frac{1}{17}$$

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

$$\frac{1}{6} = \frac{1}{6}$$

$$\frac{1}{10} < \frac{1}{8}$$



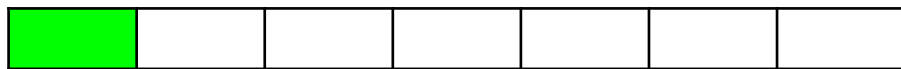
Use $>$, $<$ or $=$ to compare the fractions.



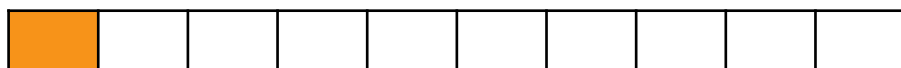
$$\frac{1}{\boxed{}} \quad > \quad \frac{1}{4}$$



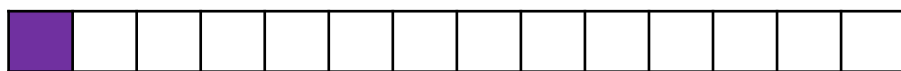
$$\frac{1}{4} \quad = \quad \frac{1}{\boxed{}}$$



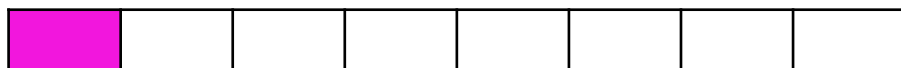
$$\frac{1}{4} \quad > \quad \frac{1}{\boxed{}}$$



$$\frac{1}{14} \quad = \quad \frac{1}{\boxed{}}$$



$$\frac{1}{\boxed{}} \quad > \quad \frac{1}{10}$$



$$\frac{1}{10} \quad > \quad \frac{1}{\boxed{}}$$

Use paper strips to compare the fractions using $>$, $<$ or $=$.

$$\frac{1}{2} \quad < \quad \frac{1}{\boxed{}}$$

$$\frac{1}{\boxed{}} \quad < \quad \frac{1}{8}$$

$$\frac{1}{18} \quad > \quad \frac{1}{\boxed{}}$$

When the numerators are the same, the _____ the denominator, the _____ the fraction.

$$\frac{1}{\boxed{}} \quad > \quad \frac{1}{15}$$

$$\frac{1}{7} \quad = \quad \frac{1}{\boxed{}}$$

$$\frac{1}{\boxed{}} \quad > \quad \frac{1}{24}$$

When the numerators are the same, the _____ the denominator, the _____ the fraction.

$$\frac{1}{9} \quad < \quad \frac{1}{\boxed{}}$$

$$\frac{1}{\boxed{}} \quad < \quad \frac{1}{5}$$

$$\frac{1}{6} \quad = \quad \frac{1}{\boxed{}}$$



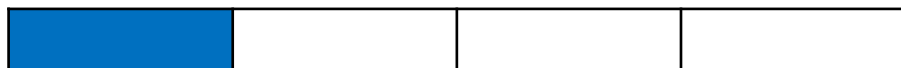
Use $>$, $<$ or $=$ to compare the fractions.



$$\frac{1}{\boxed{2}}$$

 $>$

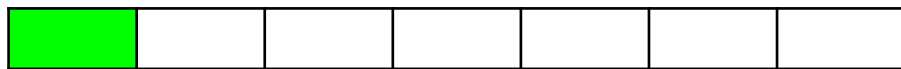
$$\frac{1}{4}$$



$$\frac{1}{4}$$

 $=$

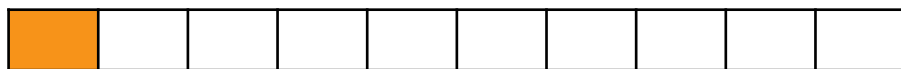
$$\frac{1}{\boxed{4}}$$



$$\frac{1}{4}$$

 $>$

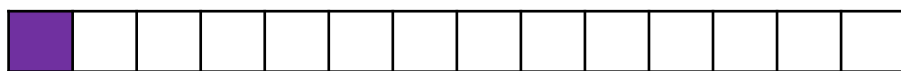
$$\frac{1}{\boxed{7}}$$



$$\frac{1}{14}$$

 $=$

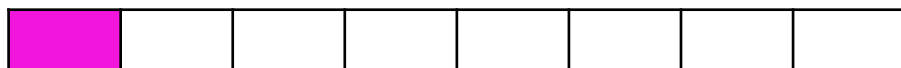
$$\frac{1}{\boxed{14}}$$



$$\frac{1}{\boxed{8}}$$

 $>$

$$\frac{1}{10}$$



$$\frac{1}{10}$$

 $>$

$$\frac{1}{\boxed{14}}$$

Use paper strips to compare the fractions using $>$, $<$ or $=$.

Possible answers:

$$\frac{1}{2} \quad \boxed{<} \quad \frac{1}{\boxed{1}}$$

$$\frac{1}{\boxed{9}} \quad \boxed{<} \quad \frac{1}{8}$$

$$\frac{1}{18} \quad \boxed{>} \quad \frac{1}{\boxed{19}}$$

When the numerators are the same, the smaller the denominator, the greater the fraction.

Possible answers:

$$\frac{1}{\boxed{14}} \quad \boxed{>} \quad \frac{1}{15}$$

$$\frac{1}{7} \quad \boxed{=} \quad \frac{1}{\boxed{7}}$$

$$\frac{1}{\boxed{23}} \quad \boxed{>} \quad \frac{1}{24}$$

When the numerators are the same, the greater the denominator, the smaller the fraction.

Possible answers:

$$\frac{1}{9} \quad \boxed{<} \quad \frac{1}{\boxed{8}}$$

$$\frac{1}{\boxed{6}} \quad \boxed{<} \quad \frac{1}{5}$$

$$\frac{1}{6} \quad \boxed{=} \quad \frac{1}{\boxed{6}}$$

Zach says,



I know that $\frac{1}{5}$ is larger than $\frac{1}{4}$ because 5 is larger than 4.

Do you agree with Zach?

Explain how you know.

Complete the missing denominator.

How many different options can you find?

$$\frac{1}{5} > \frac{1}{\square} > \frac{1}{12}$$

$$\frac{1}{7} < \frac{1}{\square} < \frac{1}{3}$$

Zach says,



I know that $\frac{1}{5}$ is larger than $\frac{1}{4}$ because 5 is larger than 4.

Do you agree with Zach?

Explain how you know.

Complete the missing denominator.

How many different options can you find?

$$\frac{1}{5} > \frac{1}{\square} > \frac{1}{12}$$

$$\frac{1}{7} < \frac{1}{\square} < \frac{1}{3}$$

Zach says,



I know that $\frac{1}{5}$ is larger than $\frac{1}{4}$ because 5 is larger than 4.

Do you agree with Zach?
Explain how you know.

$\frac{1}{5}$ is smaller, because it is split into 5 equal parts, rather than 4 equal parts.
Children could draw a bar model to show this.

Complete the missing denominator.

How many different options can you find?

$$\frac{1}{5} > \frac{1}{\square} > \frac{1}{12}$$

Possible denominators: 6, 7, 8, 9, 10, 11.

$$\frac{1}{7} < \frac{1}{\square} < \frac{1}{3}$$

Possible denominators: 6, 5, 4.

Zach says,



I know that $\frac{1}{5}$ is larger than $\frac{1}{4}$ because 5 is larger than 4.

Do you agree with Zach?
Explain how you know.

$\frac{1}{5}$ is smaller, because it is split into 5 equal parts, rather than 4 equal parts.
Children could draw a bar model to show this.

Complete the missing denominator.

How many different options can you find?

$$\frac{1}{5} > \frac{1}{\square} > \frac{1}{12}$$

Possible denominators: 6, 7, 8, 9, 10, 11.

$$\frac{1}{7} < \frac{1}{\square} < \frac{1}{3}$$

Possible denominators: 6, 5, 4.