

Homework/Extension

Step 5: Compare and Order Fractions Less than 1

National Curriculum Objectives:

Mathematics Year 5: (5F3) [Compare and order fractions whose denominators are all multiples of the same number](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Write the fractions in order of size, where the denominators are double or half of the starting fraction. Pictorial representation provided.

Expected Write the fractions in order of size, where the denominators are multiples of the same number. Pictorial representation provided.

Greater Depth Write the fractions in order of size, where the denominators have common multiples.

Questions 2, 5 and 8 (Varied Fluency)

Developing Circle the smaller fraction in each pair, where the numerators are the same. Pictorial representation provided.

Expected Circle the smaller fraction in each pair, where the numerators are the same or multiples of the same number. Pictorial representation provided.

Greater Depth Circle the smaller fraction in each pair, where the numerators are multiples of the same number.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Compare the fractions and explain which is the largest, where the denominator is double or half the starting fraction. Pictorial representation provided.

Expected Compare the fractions and explain which is the largest, where the denominators are multiples of the same number. Pictorial representation provided.

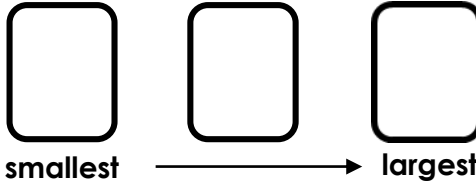
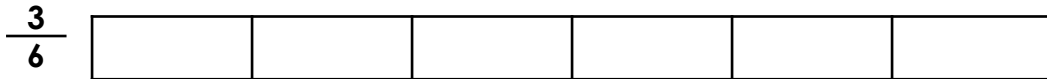
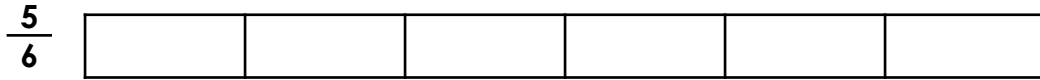
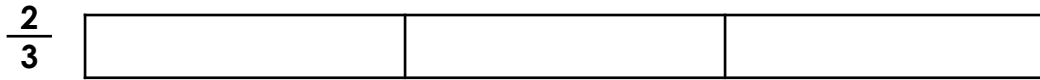
Greater Depth Compare the fractions and explain which is the largest, where the denominators have a common factor.

More [Year 5 Fractions](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Compare and Order Fractions Less than 1

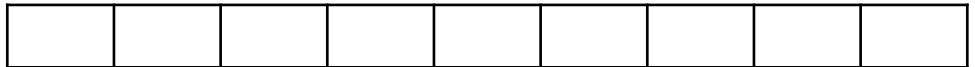
1. Write the fractions in order of size. Use the bar models to help you.



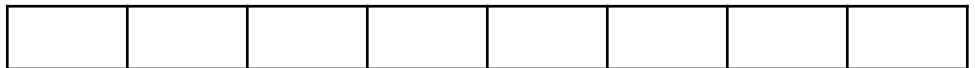
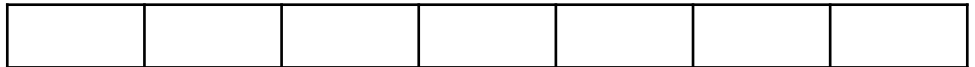
VF
HW/Ext

2. Circle the smaller fraction in each pair. Use common numerators to help you.

$\frac{2}{5}$ or $\frac{2}{9}$



$\frac{4}{7}$ or $\frac{4}{8}$



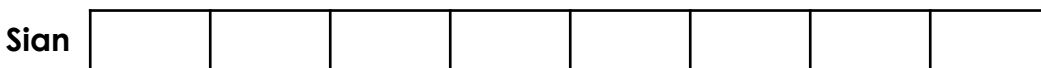
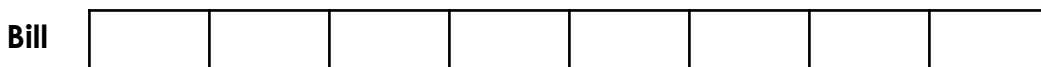
VF
HW/Ext

3. Marj eats $\frac{3}{4}$ of her chocolate bar. Bill eats $\frac{5}{8}$ of his chocolate bar. Sian eats $\frac{3}{8}$ of her chocolate bar.



Who eats the most chocolate?

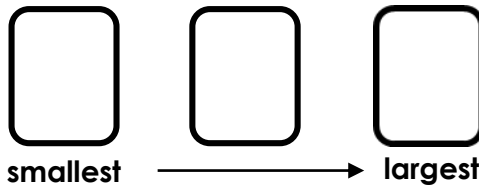
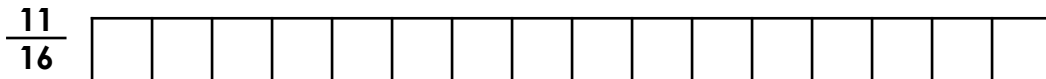
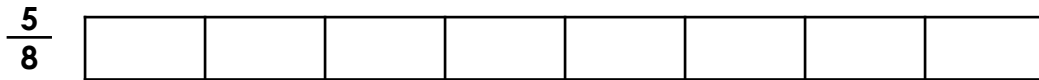
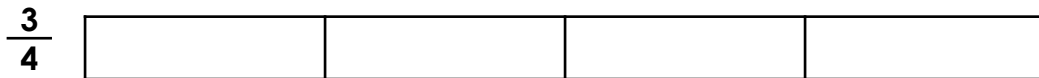
Explain how you know. Use the bar models to help you.



RPS
HW/Ext

Compare and Order Fractions Less than 1

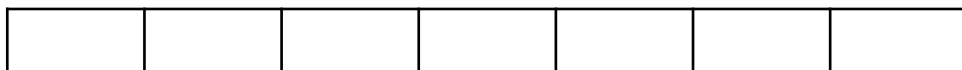
4. Write the fractions in order of size. Use the bar models to help you.



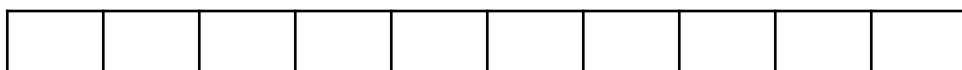
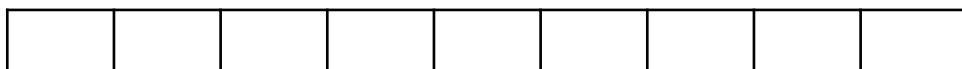
VF
HW/Ext

5. Circle the smaller fraction in each pair. Use common numerators to help you.

$\frac{5}{7}$ or $\frac{5}{8}$



$\frac{3}{5}$ or $\frac{6}{9}$



VF
HW/Ext

6. Gail walks $\frac{2}{3}$ of a mile everyday. Fiaz walks $\frac{5}{6}$ of a mile everyday. Carl walks $\frac{9}{12}$ of a mile everyday.



Who walks the furthest in a day?

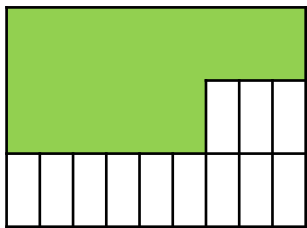
Explain how you know. Use the bar models to help you.



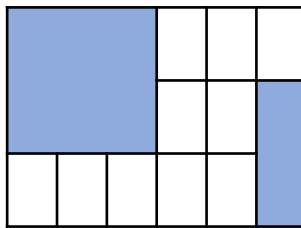
RPS
HW/Ext

Compare and Order Fractions Less than 1

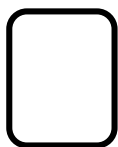
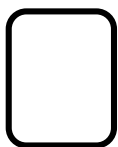
7. Write the fractions in order of size.



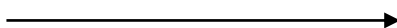
$$\frac{21}{63}$$



$$\frac{30}{45}$$



smallest



largest



VF
HW/Ext

8. Circle the smaller fraction in each pair.

A. $\frac{15}{18}$ or $\frac{5}{7}$

B. $\frac{2}{3}$ or $\frac{6}{8}$

C. $\frac{3}{5}$ or $\frac{9}{11}$

D. $\frac{16}{18}$ or $\frac{4}{7}$



VF
HW/Ext

9. Some friends are drinking lemonade.



Taj

I drank $\frac{8}{14}$ of my lemonade.



Tehya

I drank $\frac{15}{21}$ of my lemonade.



Adam

I drank $\frac{16}{28}$ of my lemonade.



Who drinks the most?
Explain how you know.



RPS
HW/Ext

Homework/Extension

Compare and Order Fractions Less than 1

Developing

1. $\frac{3}{6}$, $\frac{2}{3}$, $\frac{5}{6}$

2. $\frac{2}{9}$, $\frac{4}{8}$

3. Marj eats the most chocolate as $\frac{3}{4} = \frac{6}{8}$.

Expected

4. $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$

5. $\frac{5}{8}$, $\frac{3}{5}$

6. Fiaz walks the furthest as $\frac{5}{6} = \frac{10}{12}$. Carl only walks $\frac{9}{12}$ of a mile and Gail walks $\frac{2}{3}$ which is equal to $\frac{8}{12}$.

Greater Depth

7. $\frac{21}{63}$, $\frac{8}{18}$, $\frac{15}{27}$, $\frac{30}{45}$

8. A. $\frac{5}{7}$; B. $\frac{2}{3}$; C. $\frac{3}{5}$; D. $\frac{4}{7}$

9. Tehya drinks the most lemonade because $\frac{15}{21} = \frac{5}{7}$ and the other fractions are less than this as they convert to $\frac{4}{7}$.