

Homework/Extension

Step 4: Compare and Order Numerators

National Curriculum Objectives:

Mathematics Year 6: (6F2) [Use common factors to simplify fractions; use common multiples to express fractions in the same denomination](#)

Mathematics Year 6: (6F3) [Compare and order fractions, including fractions > 1](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Circle the fractions which are smaller than a given fraction. Includes fractions up to tenths and pictorial support for each fraction.

Expected Circle the fractions which are smaller than a given fraction. Includes mixed numbers and numerators which are direct multiples of the same number.

Greater Depth Circle the fractions which are smaller than a given fraction. Includes mixed numbers and improper fractions and numerators which are indirect multiples of the same number.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identify who has ordered the fractions from greatest to smallest correctly. Includes fractions up to tenths and pictorial support for each fraction.

Expected Identify who has ordered the fractions from greatest to smallest correctly. Includes mixed numbers and numerators which are direct multiples of the same number.

Greater Depth Identify who has ordered the fractions from greatest to smallest correctly. Includes mixed numbers and improper fractions and numerators which are indirect multiples of the same number.

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

Developing Identify which comparison statement is the odd one out. Includes fractions up to tenths and pictorial support for each fraction.

Expected Identify which comparison statement is the odd one out. Includes mixed numbers and numerators which are direct multiples of the same number.

Greater Depth Identify which comparison statement is the odd one out. Includes mixed numbers and improper fractions and numerators which are indirect multiples of the same number.

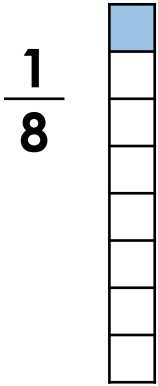
More [Year 6 Fractions](#) resources.

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

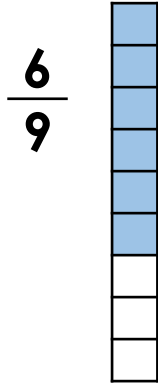
Compare and Order Numerators

1. Circle the fractions which are smaller than $\frac{2}{4}$ 

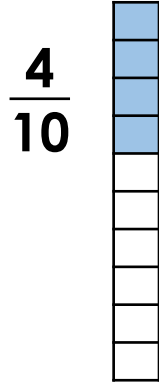
A



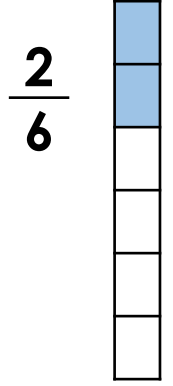
B



C



D



VF
HW/Ext

2. Who has ordered their fractions from greatest to smallest correctly?

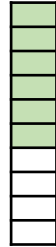
Jason



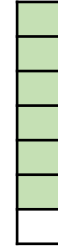
$\frac{3}{4}$



$\frac{6}{10}$



$\frac{6}{7}$



Ellie



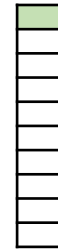
$\frac{2}{5}$



$\frac{2}{10}$



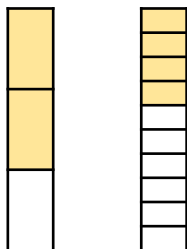
$\frac{1}{10}$



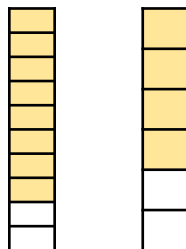
VF
HW/Ext

3. Circle the statement which is the odd one out.

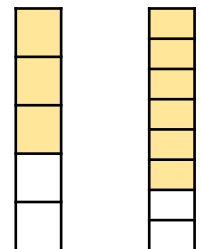
A $\frac{2}{3} > \frac{4}{10}$



B $\frac{8}{10} < \frac{4}{6}$



C $\frac{3}{5} < \frac{6}{8}$



Explain your reasoning.



RPS
HW/Ext

Compare and Order Numerators

4. Circle the fractions which are smaller than $\frac{3}{7}$.

A

$$\frac{9}{15}$$

B

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

C

$$\frac{12}{36}$$

D

$$\frac{3}{10}$$

E

$$1\frac{6}{8}$$

F

$$\frac{15}{40}$$



VF
HW/Ext

5. Who has ordered their fractions from greatest to smallest correctly?

Benji



$$\frac{5}{6}, \frac{20}{28}, \frac{15}{24}, \frac{50}{100}, \frac{30}{54}$$

Alice



$$1\frac{1}{9}, \frac{4}{8}, \frac{24}{54}, \frac{4}{10}, \frac{8}{24}$$

Mark



$$\frac{3}{5}, \frac{6}{14}, \frac{15}{20}, \frac{9}{18}, \frac{3}{8}$$



VF
HW/Ext

6. Circle the statement which is the odd one out.

A $\frac{5}{11} > \frac{5}{12}$

B $5\frac{2}{5} < 5\frac{6}{9}$

C $\frac{6}{7} < \frac{12}{20}$

D $3\frac{1}{9} > 3\frac{4}{40}$

Explain your reasoning.



RPS
HW/Ext

Compare and Order Numerators

7. Circle the fractions which are smaller than $\frac{40}{72}$.

A

$$\frac{30}{72}$$

B

$$\frac{19}{7}$$

C

$$1\frac{55}{66}$$

D

$$\frac{50}{80}$$

E

$$\frac{25}{55}$$

F

$$\frac{35}{70}$$



VF
HW/Ext

8. Who has ordered their fractions from greatest to smallest correctly?

Lucas



$$\frac{44}{18}, \frac{20}{12}, \frac{56}{77}, \frac{32}{36}, \frac{72}{90}$$

Asha



$$2\frac{28}{35}, \frac{16}{6}, \frac{48}{60}, \frac{24}{66}, \frac{20}{45}$$

Greg



$$\frac{13}{7}, \frac{24}{28}, \frac{30}{40}, \frac{54}{81}, \frac{18}{36}$$



VF
HW/Ext

9. Circle the statement which is the odd one out.

A $\frac{56}{84} < \frac{24}{33}$

B $5\frac{12}{16} < \frac{62}{14}$

C $\frac{27}{33} > \frac{45}{60}$

D $3\frac{8}{28} > \frac{72}{30}$

Explain your reasoning.



RPS
HW/Ext

Homework/Extension

Compare and Order Numerators

Developing

1. **A, C, D**
2. **Ellie**
3. **B is the odd one out because it is incorrect: $\frac{8}{10} > \frac{4}{6}$.**

Expected

4. **C, D, F**
5. **Alice**
6. **C is the odd one out because it is incorrect: $\frac{6}{7} > \frac{12}{20}$.**

Greater Depth

7. **A, E, F**
8. **Greg**
9. **B is the odd one out because it is incorrect: $5 \frac{12}{16} > \frac{62}{14}$.**