

Homework/Extension

Step 6: Compare and Order Fractions Greater 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 Circle the greatest fraction. Includes fractions where the denominators are multiples of the same number (halving and doubling only). Pictorial representations used.

Expected Circle the greatest fraction. Includes fractions where the denominators are multiples of the same number. Pictorial representations used.

Greater Depth Circle the greatest fraction. Includes fractions where the denominators share a common factor or common multiples.

Questions 2, 5 and 8 (Varied Fluency)

Developing Compare two improper fractions using $<$, $>$ or $=$. Includes fractions where the denominators are multiples of the same number (halving and doubling only). Pictorial representations used.

Expected Compare two improper fractions using $<$, $>$ or $=$. Includes fractions where the denominators are multiples of the same number. Pictorial representations used.

Greater Depth Compare two improper fractions using $<$, $>$ or $=$. Includes fractions where the denominators share a common factor or common multiples.

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

Developing Compare and order three improper fractions and explain. Includes fractions where the denominators are multiples of the same number (halving and doubling only). Pictorial representations used.

Expected Compare and order three improper fractions and explain. Includes fractions where the denominators are multiples of the same number.

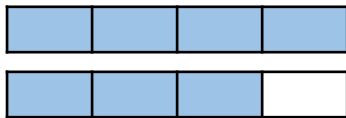
Greater Depth Compare and order three improper fractions and explain. Includes fractions where the denominators share a common factor or common multiples.

More [Year 5 Fractions](#) resources.

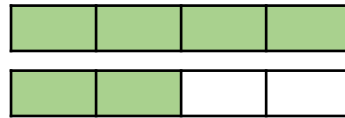
Did you like this resource? Don't forget to [review](#) it on our website.

Compare and Order Fractions Greater than 1

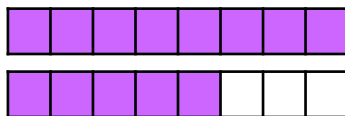
1. Circle the greatest fraction.



A. $1\frac{3}{4}$



C. $1\frac{2}{4}$



B. $1\frac{5}{8}$



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2. Complete the statements using $<$, $>$ or $=$.

A. $\frac{15}{6}$ $\frac{7}{3}$



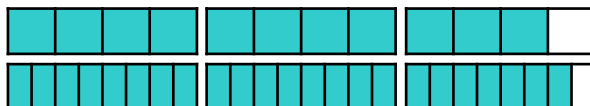
B. $\frac{14}{5}$ $\frac{28}{10}$



C. $\frac{15}{7}$ $\frac{30}{14}$



D. $\frac{11}{4}$ $\frac{23}{8}$



VF
HW/Ext

3. Lena, Zane and Amy are swimming lengths of the swimming pool. They have expressed their distances as improper fractions.



I swam $\frac{9}{3}$ of the pool.

Lena



I swam $\frac{14}{6}$ of the pool.

Amy



I swam $\frac{16}{6}$ of the pool.

Zane



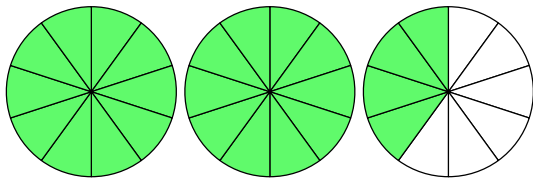
Put their distances in ascending order. Explain your answer.



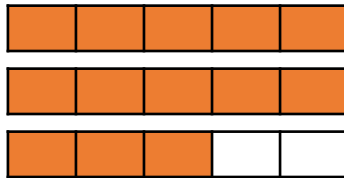
RPS
HW/Ext

Compare and Order Fractions Greater than 1

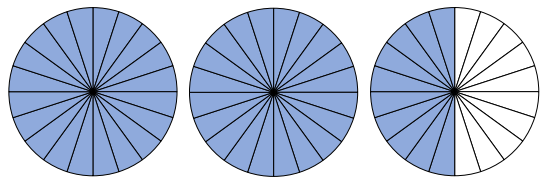
4. Circle the greatest fraction.



A. $2\frac{4}{10}$



B. $2\frac{3}{5}$



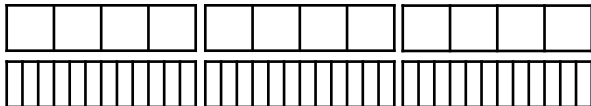
C. $2\frac{10}{20}$



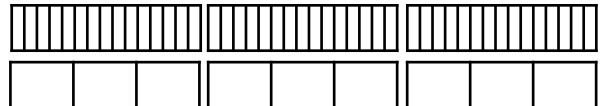
VF
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5. Complete the statements using $<$, $>$ or $=$.

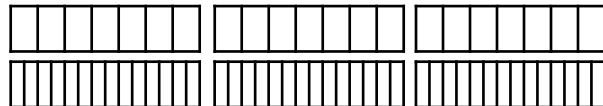
A. $\frac{29}{12}$ $\frac{11}{4}$



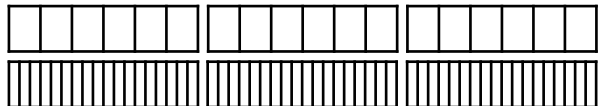
B. $\frac{35}{15}$ $\frac{7}{3}$



C. $\frac{18}{7}$ $\frac{41}{14}$



D. $\frac{16}{6}$ $\frac{35}{18}$



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6. Jack, Aliyah and Mckenzie are running round their school track. They have expressed their distances as improper fractions and mixed numbers.



I ran $\frac{17}{8}$ of the track.

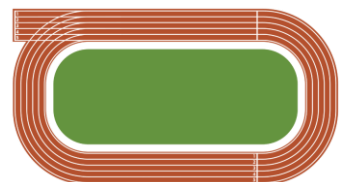


I ran $\frac{33}{16}$ of the track.



I ran $2\frac{1}{2}$ of the track.

Mckenzie



Put their distances in ascending order. Explain your answer.



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7. Circle the greatest fraction.

A. $2\frac{8}{12}$

B. $2\frac{1}{4}$

C. $2\frac{1}{6}$

D. $2\frac{3}{9}$



VF
HW/Ext

8. Complete the statements using $<$, $>$ or $=$.

A. $\frac{15}{9}$ $\frac{12}{6}$

B. $\frac{20}{8}$ $\frac{25}{10}$

C. $\frac{12}{15}$ $\frac{20}{25}$

D. $\frac{18}{14}$ $\frac{12}{21}$



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9. Freya, James and Lucy are filling beakers for a science experiment. They have expressed their volumes as improper fractions and mixed numbers.



Freya

I filled $2\frac{4}{16}$ of the beakers.



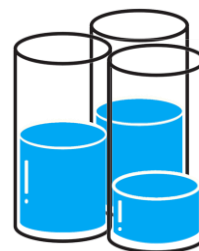
James

I filled $\frac{16}{8}$ of the beakers.



Lucy

I filled $\frac{33}{12}$ of the beakers.



Put their volumes in ascending order. Explain your answer.



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Developing

1. **A**
2. **A. > B. = C. = D. <**
3. **Amy $\frac{14}{6}$, Zane $\frac{16}{6}$, Lena $\frac{9}{3} = \frac{18}{6}$**

Expected

4. **B**
5. **A. < B. = C. < D. >**
6. **Aliyah $\frac{33}{16}$, Jack $\frac{17}{8} = \frac{34}{16}$, Mckenzie $2\frac{1}{2} = \frac{40}{16}$**

Greater Depth

7. **A**
8. **A. < B. = C. = D. >**
9. **Various answers, for example: James $\frac{16}{8} = 2$, Freya $2\frac{4}{16} = 2\frac{1}{4}$, Lucy $\frac{33}{12} = 2\frac{3}{4}$**