

# Varied Fluency

## 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:

**Developing** Questions to support comparing and ordering fractions (up to tenths) where the written fraction is supported by a pictorial representation in every question.

**Expected** Questions to support comparing and ordering fractions (including mixed numbers) where some numerators are direct multiples of the same number.

**Greater Depth** Questions to support comparing and ordering fractions (including mixed numbers and improper fractions) where numerators are indirect multiples of the same number.

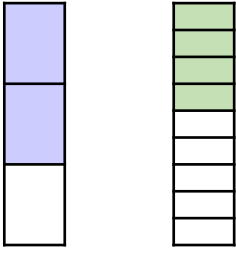
More [Year 6 Fractions](#) resources.

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

## Compare and Order Numerators

1a. Compare these fractions using < or >.

$$\frac{2}{3} \quad \square \quad \frac{4}{9}$$

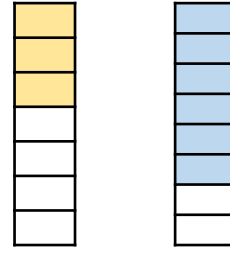


VF

## Compare and Order Numerators

1b. Compare these fractions using < or >.

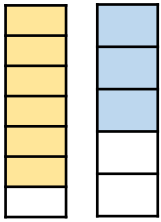
$$\frac{3}{7} \quad \square \quad \frac{6}{8}$$



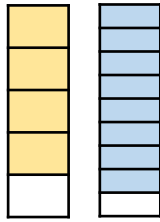
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2a. Are the statements below true or false?

A.  $\frac{6}{7} > \frac{3}{5}$



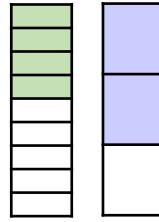
B.  $\frac{4}{5} > \frac{8}{9}$



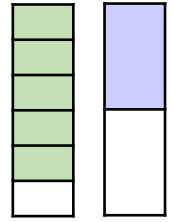
VF

2b. Are the statements below true or false?

A.  $\frac{4}{9} > \frac{2}{3}$

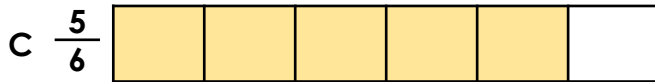
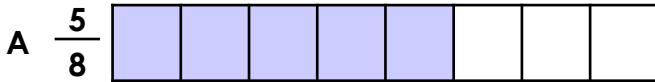


B.  $\frac{5}{6} > \frac{1}{2}$



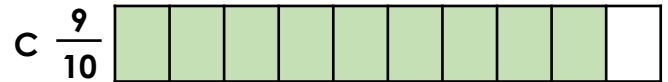
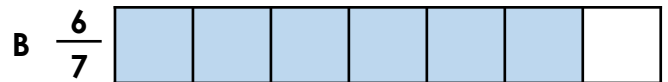
VF

3a. Which fraction is the smallest?



VF

3b. Which fraction is the largest?



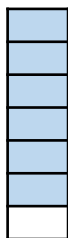
VF

4a. Find a common numerator then order the fractions from largest to smallest.

$$\frac{6}{9}$$

$$\frac{3}{5}$$

$$\frac{6}{7}$$



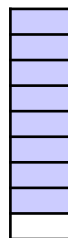
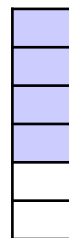
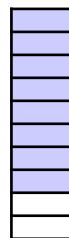
VF

4b. Find a common numerator then order the fractions from smallest to largest.

$$\frac{8}{10}$$

$$\frac{4}{6}$$

$$\frac{8}{9}$$



VF

## Compare and Order Numerators

5a. Compare these fractions using < or >.

A  $\frac{4}{5}$    $\frac{12}{18}$

B  $\frac{3}{7}$    $2\frac{6}{20}$

C  $\frac{2}{8}$    $\frac{8}{10}$



VF

## Compare and Order Numerators

5b. Compare these fractions using < or >.

A  $\frac{1}{3}$    $\frac{4}{16}$

B  $\frac{9}{10}$    $1\frac{3}{8}$

C  $\frac{2}{6}$    $\frac{6}{27}$



VF

6a. Are the statements below true or false?

A.  $\frac{5}{7} > \frac{10}{18}$

B.  $4\frac{9}{11} < 4\frac{36}{40}$

C.  $\frac{3}{11} > \frac{9}{21}$

D.  $3\frac{28}{36} < 3\frac{7}{8}$



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6b. Are the statements below true or false?

A.  $\frac{12}{30} < \frac{4}{5}$

B.  $6\frac{8}{11} > 6\frac{40}{60}$

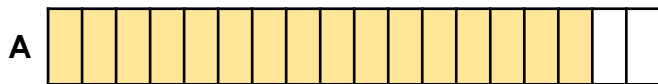
C.  $\frac{18}{24} < \frac{6}{9}$

D.  $5\frac{27}{36} < 5\frac{9}{10}$



VF

7a. Which fraction is the smallest?



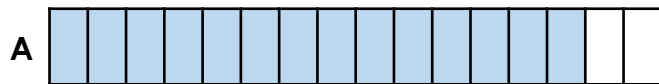
B  $1\frac{32}{48}$

C eight elevenths



VF

7b. Which fraction is the largest?



B  $1\frac{35}{60}$

C seven ninths



VF

8a. Find a common numerator then order the fractions from largest to smallest.

$\frac{32}{56}$

$2\frac{8}{24}$

$\frac{4}{9}$

$1\frac{20}{35}$

$\frac{36}{45}$



VF

8b. Find a common numerator then order the fractions from smallest to largest.

$\frac{40}{56}$

$1\frac{5}{10}$

$\frac{15}{36}$

$2\frac{25}{55}$

$\frac{45}{81}$



VF

## Compare and Order Numerators

9a. Compare these fractions using < or >.

A  $\frac{18}{21}$    $\frac{30}{45}$

B  $\frac{28}{12}$    $2\frac{16}{36}$

C  $\frac{45}{63}$    $\frac{40}{64}$



VF

## Compare and Order Numerators

9b. Compare these fractions using < or >.

A  $\frac{24}{66}$    $\frac{28}{49}$

B  $\frac{12}{9}$    $1\frac{6}{24}$

C  $\frac{56}{64}$    $\frac{42}{60}$



VF

10a. Are the statements below true or false?

A.  $\frac{15}{35} > \frac{36}{60}$       B.  $2\frac{48}{54} > \frac{30}{11}$

C.  $\frac{84}{96} < \frac{63}{81}$       D.  $3\frac{54}{72} < \frac{39}{10}$



VF

10b. Are the statements below true or false?

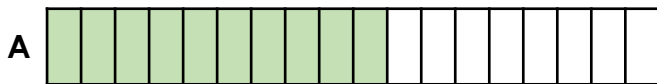
A.  $\frac{30}{36} < \frac{45}{72}$       B.  $1\frac{81}{99} > \frac{21}{12}$

C.  $\frac{36}{54} < \frac{30}{35}$       D.  $2\frac{27}{36} > \frac{32}{12}$



VF

11a. Which fraction is the smallest?



B  $\frac{41}{12}$

C twenty-five thirtieths



VF

11b. Which fraction is the largest?



B  $\frac{31}{7}$

C nine fifteenths



VF

12a. Find a common numerator then order the fractions from largest to smallest.

$\frac{28}{63}$        $2\frac{20}{35}$        $\frac{31}{9}$

$1\frac{16}{44}$        $\frac{48}{72}$



VF

12b. Find a common numerator then order the fractions from smallest to largest.

$\frac{15}{10}$        $1\frac{45}{81}$        $\frac{25}{40}$

$2\frac{60}{72}$        $\frac{55}{99}$



VF

## Varied Fluency

### Compare and Order Numerators

#### Developing

1a. >

2a. A – True; B – False,  $\frac{4}{5} < \frac{8}{9}$

3a. B

4a.  $\frac{6}{7}$ ,  $\frac{6}{9}$ ,  $\frac{3}{5}$

#### Expected

5a. >, <, <

6a. A – True; B – True; C – False,  $\frac{3}{11} < \frac{9}{21}$ ;

D – True

7a. C

8a.  $2\frac{8}{24}$ ,  $1\frac{20}{35}$ ,  $\frac{36}{45}$ ,  $\frac{32}{56}$ ,  $\frac{4}{9}$

#### Greater Depth

9a. >, <, >

10a. A – False,  $\frac{15}{35} < \frac{36}{60}$ ; B – True;

C – False,  $\frac{84}{96} > \frac{63}{81}$ ; D – True

11a. A

12a.  $\frac{31}{9}$ ,  $2\frac{20}{35}$ ,  $1\frac{16}{44}$ ,  $\frac{48}{72}$ ,  $\frac{28}{63}$

## Varied Fluency

### Compare and Order Numerators

#### Developing

1b. <

2b. A – False,  $\frac{4}{9} < \frac{2}{3}$ ; B – True

3b. C

4b.  $\frac{4}{6}$ ,  $\frac{8}{10}$ ,  $\frac{8}{9}$

#### Expected

5b. >, <, >

6b. A – True; B – True; C – False,  $\frac{18}{24} > \frac{6}{9}$ ;

D – True

7b. B

8b.  $\frac{15}{36}$ ,  $\frac{45}{81}$ ,  $\frac{40}{56}$ ,  $1\frac{5}{10}$ ,  $2\frac{25}{55}$

#### Greater Depth

9b. <, >, >

10b. A – False,  $\frac{30}{36} > \frac{45}{72}$ ; B – True; C – True;

D – True

11b. B

12b.  $\frac{55}{99}$ ,  $\frac{25}{40}$ ,  $\frac{15}{10}$ ,  $1\frac{45}{81}$ ,  $2\frac{60}{72}$