

Varied Fluency

Step 3: Compare and Order Denominators

Teaching note: In this resource, where images are used, the shaded portion of the image represents the fraction shown.

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 where denominators are direct multiples of the same number.

Expected Questions to support comparing and ordering fractions where denominators are not always direct multiples of the same number.

Greater Depth Questions to support comparing and ordering fractions where denominators are not direct multiples of the same number and may require simplifying.

More [Year 6 Fractions](#) resources.

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

Compare and Order Denominators

1a. Order the fractions below in ascending order.

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

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

$$\frac{7}{8}$$

$$\frac{3}{8}$$

$$\frac{3}{4}$$



VF

Compare and Order Denominators

1b. Order the fractions below in ascending order.

$$\frac{5}{6}$$

$$\frac{1}{3}$$

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

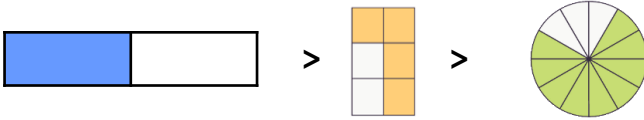
$$\frac{2}{3}$$

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



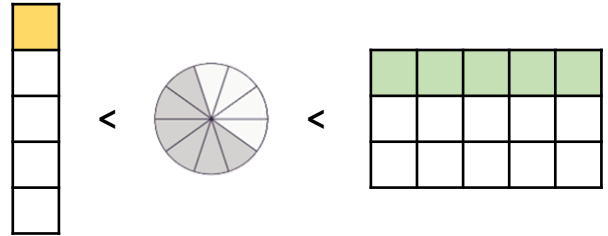
VF

2a. True or false? The fractions shown below are in descending order.



VF

2b. True or false? The fractions shown below are in ascending order.



VF

3a. Match the digit cards to complete the statements below.

A. $\frac{\square}{4} < \frac{1}{2}$

B. $\frac{\square}{6} > \frac{2}{3}$

C. $\frac{1}{\square} = \frac{2}{8}$

Digit Cards

5 4 1



VF

3b. Match the digit cards to complete the statements below.

A. $\frac{3}{4} < \frac{\square}{8}$

B. $\frac{\square}{4} < \frac{3}{8}$

C. $\frac{2}{\square} = \frac{1}{2}$

Digit Cards

4 1 7



VF

4a. Isabel says,

Tim and I both bought a bag of sweets each. I ate $\frac{4}{7}$ and he ate $\frac{9}{14}$ of the bag. I have more sweets left.



Isabel

Is she correct?



VF

4b. Jake says,

Luke and I both bought a bag of grapes each. I ate $\frac{2}{3}$ and he ate $\frac{7}{9}$ of the bag. I have fewer grapes left.



Jake

Is he correct?



VF

Compare and Order Denominators

5a. Order the fractions below in ascending order.

$$\frac{2}{3}$$

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

$$\frac{5}{6}$$

$$\frac{5}{8}$$

$$\frac{3}{4}$$



VF

Compare and Order Denominators

5b. Order the fractions below in descending order.

$$\frac{5}{8}$$

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

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

$$\frac{2}{5}$$

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



VF

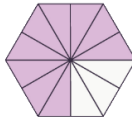
6a. True or false? The fractions shown below are in descending order.



>

$$\frac{5}{6}$$

>

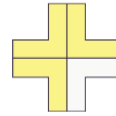


VF

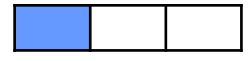
6b. True or false? The fractions shown below are in ascending order.

$$\frac{2}{6}$$

<



<



VF

7a. Match the digit cards to complete the statements below.

A. $\frac{\square}{6} < \frac{1}{5}$

B. $\frac{\square}{10} > \frac{4}{5}$

C. $\frac{1}{\square} = \frac{3}{6}$

Digit Cards

1

2

9



VF

7b. Match the digit cards to complete the statements below.

A. $\frac{4}{\square} > \frac{3}{4}$

B. $\frac{\square}{4} < \frac{2}{5}$

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

Digit Cards

8

1

5



VF

8a. Alice says,

Cian and I both bought a bag of sweets each. I ate $\frac{5}{8}$ and he ate $\frac{7}{12}$ of the bag. I have more sweets left.



Alice

Is she correct?



VF

8b. Josh says,

Ruby and I both bought a bag of grapes each. I ate $\frac{5}{7}$ and she ate $\frac{3}{5}$ of the bag. I have fewer grapes left.



Josh

Is he correct?



VF

Compare and Order Denominators

9a. Order the fractions below in ascending order.

$$\frac{1}{3}$$

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

$$\frac{9}{10}$$

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

$$\frac{3}{4}$$



VF

Compare and Order Denominators

9b. Order the fractions below in descending order.

$$\frac{5}{6}$$

$$\frac{7}{9}$$

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

$$\frac{4}{5}$$

$$\frac{1}{3}$$



VF

10a. True or false? When the fractions below are simplified, they are shown in descending order.

$$\frac{30}{90} > \frac{6}{10} > \frac{2}{6}$$



VF

10b. True or false? When the fractions below are simplified, they are shown in ascending order.

$$\frac{6}{8} < \frac{48}{64} < \frac{30}{40}$$



VF

11a. Find the missing digits to complete the statements below.

A. $\frac{\square}{3} < \frac{3}{5}$

B. $\frac{\square}{8} > \frac{6}{7}$

C. $\frac{9}{\square} = \frac{3}{4}$



VF

11b. Find the missing digits to complete the statements below.

A. $\frac{9}{\square} > \frac{4}{5}$

B. $\frac{\square}{5} < \frac{1}{3}$

C. $\frac{10}{\square} = \frac{5}{6}$



VF

12a. Suzie says,

Liam and I both bought a bag of sweets each. I ate $\frac{11}{16}$ and he ate $\frac{14}{20}$ of the bag. I have more sweets left. Liam has $\frac{3}{10}$ left.



Suzie

Is she correct?



VF

12b. Phil says,

Cindy and I both bought a bag of grapes each. I ate $\frac{3}{5}$ and she ate $\frac{12}{17}$ of the bag. I have fewer grapes left. Cindy has $\frac{10}{17}$ left.



Phil

Is he correct?



VF

Varied Fluency

Compare and Order Denominators

Developing

1a. $\frac{1}{4}; \frac{3}{8}; \frac{1}{2}; \frac{3}{4}; \frac{7}{8}$

2a. False. The order should be:

$$\frac{9}{12} > \frac{4}{6} > \frac{1}{2}$$

3a. $A = 1; B = 5; C = 4$

4a. Isabel is correct. The common denominator for both fractions is 14. Isabel has $\frac{6}{14}$ left whereas Tim has $\frac{5}{14}$ left.

Expected

5a. $\frac{1}{2}; \frac{5}{8}; \frac{2}{3}; \frac{3}{4}; \frac{5}{6}$

6a. False. The order should be:

$$\frac{5}{6} < \frac{9}{12} < \frac{2}{5}$$

7a. $A = 1; B = 9; C = 2$

8a. Alice is incorrect. The common denominator for both fractions is 24. Alice has $\frac{6}{24}$ left whereas Cian has $\frac{10}{24}$ left.

Greater Depth

9a. $\frac{1}{3}; \frac{1}{2}; \frac{3}{5}; \frac{3}{4}; \frac{9}{10}$

10a. False. The order should be:

$$\frac{3}{5} > \frac{1}{3} = \frac{1}{3}$$

11a. $A = 1; B = 7; C = 12$

12a. Suzie is correct. The common denominator for both fractions is 80. Suzie has $\frac{25}{80}$ left whereas Liam has $\frac{24}{80}$ left ($-\frac{3}{10}$).

Varied Fluency

Compare and Order Denominators

Developing

1b. $\frac{1}{6}; \frac{1}{3}; \frac{1}{2}; \frac{2}{3}; \frac{5}{6}$

2b. False. The order should be:

$$\frac{1}{5} < \frac{5}{15} < \frac{6}{10}$$

3b. $A = 7; B = 1; C = 4$

4b. Jake is incorrect. The common denominator for both fractions is 9. Jake has $\frac{3}{9}$ left whereas Luke has $\frac{2}{9}$ left.

Expected

5b. $\frac{5}{8}; \frac{1}{2}; \frac{2}{5}; \frac{3}{10}; \frac{1}{4}$

6b. False. The order should be:

$$\frac{1}{3} = \frac{2}{6} < \frac{3}{4}$$

7b. $A = 5; B = 1; C = 8$

8b. Josh is correct. The common denominator for both fractions is 35. Josh has $\frac{10}{35}$ left whereas Ruby has $\frac{14}{35}$ left.

Greater Depth

9b. $\frac{5}{6}; \frac{4}{5}; \frac{7}{9}; \frac{1}{3}; \frac{3}{10}$

10b. False. The order should be:

$$\frac{3}{4} = \frac{3}{4} = \frac{3}{4}$$

11b. $A = 10; B = 1; C = 12$

12b. Phil is incorrect. The common denominator for both fractions is 85. Phil has $\frac{34}{85}$ left whereas Cindy has $\frac{25}{85}$ left ($-\frac{5}{17}$).