

Comparing Fractions: Practice

Name: _____

A. Compare. Write $<$, $>$ or $=$ in the circle.

1. $\frac{3}{8}$ ○ $\frac{5}{8}$

2. $\frac{1}{4}$ ○ $\frac{1}{6}$

3. $\frac{2}{4}$ ○ $\frac{1}{2}$

4. $\frac{5}{6}$ ○ $\frac{2}{5}$

5. $\frac{7}{10}$ ○ $\frac{9}{10}$

6. $\frac{3}{5}$ ○ $\frac{3}{4}$

7. $\frac{2}{3}$ ○ $\frac{3}{5}$

8. $\frac{4}{8}$ ○ $\frac{3}{6}$

9. $\frac{1}{3}$ ○ $\frac{4}{7}$

10. $\frac{5}{6}$ ○ $\frac{3}{4}$

11. $\frac{2}{12}$ ○ $\frac{2}{10}$

12. $\frac{3}{4}$ ○ $\frac{7}{8}$

B. Write the fractions in order from least to greatest.

13. $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{4}$ $\rightarrow$ $\frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}}$

14. $\frac{5}{6}$ $\frac{1}{6}$ $\frac{3}{6}$ $\rightarrow$ $\frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}}$

15. $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{2}$ $\rightarrow$ $\frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}}$

16. $\frac{3}{4}$ $\frac{3}{8}$ $\frac{3}{5}$ $\rightarrow$ $\frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}} < \frac{\boxed{}}{\boxed{}}$

C. Mia ate $\frac{3}{8}$ of a pizza. Leo ate $\frac{1}{2}$ of a pizza the same size. Who ate more? Show how you know.

D. Jay says $\frac{1}{8}$ is bigger than $\frac{1}{4}$ because 8 is bigger than 4. Is Jay right? Explain how you know. You can draw bars to help.

Comparing Fractions: Practice Answer Key

The reason for each answer in part A is shown under it.

A. Compare. Write $<$, $>$ or $=$ in the circle.

1. $\frac{3}{8}$ $<$ $\frac{5}{8}$

same bottom

2. $\frac{1}{4}$ $>$ $\frac{1}{6}$

same top

3. $\frac{2}{4}$ $=$ $\frac{1}{2}$

equivalent

4. $\frac{5}{6}$ $>$ $\frac{2}{5}$

over / under half

5. $\frac{7}{10}$ $<$ $\frac{9}{10}$

same bottom

6. $\frac{3}{5}$ $<$ $\frac{3}{4}$

same top

7. $\frac{2}{3}$ $>$ $\frac{3}{5}$

10/15 and 9/15

8. $\frac{4}{8}$ $=$ $\frac{3}{6}$

both are one half

9. $\frac{1}{3}$ $<$ $\frac{4}{7}$

under / over half

10. $\frac{5}{6}$ $>$ $\frac{3}{4}$

10/12 and 9/12

11. $\frac{2}{12}$ $<$ $\frac{2}{10}$

same top

12. $\frac{3}{4}$ $<$ $\frac{7}{8}$

6/8 and 7/8

B. Write the fractions in order from least to greatest.

13. $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{4}$ $\rightarrow$ $\frac{1}{8} < \frac{1}{4} < \frac{1}{2}$

14. $\frac{5}{6}$ $\frac{1}{6}$ $\frac{3}{6}$ $\rightarrow$ $\frac{1}{6} < \frac{3}{6} < \frac{5}{6}$

15. $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{2}$ $\rightarrow$ $\frac{1}{4} < \frac{1}{2} < \frac{2}{3}$

16. $\frac{3}{4}$ $\frac{3}{8}$ $\frac{3}{5}$ $\rightarrow$ $\frac{3}{8} < \frac{3}{5} < \frac{3}{4}$

C. Mia ate $\frac{3}{8}$ of a pizza. Leo ate $\frac{1}{2}$ of a pizza the same size. Who ate more? Show how you know.

Leo ate more. $\frac{1}{2} = \frac{4}{8}$, and $\frac{4}{8}$ is more than $\frac{3}{8}$.

Another way: half of 8 is 4, so $\frac{3}{8}$ is less than one half.

D. Jay says $\frac{1}{8}$ is bigger than $\frac{1}{4}$ because 8 is bigger than 4. Is Jay right? Explain how you know. You can draw bars to help.

No. The bottom number tells how many equal pieces the whole is cut into. Eight pieces are smaller than four pieces, so one eighth is smaller than one fourth: $\frac{1}{8} < \frac{1}{4}$.