

Equivalent & Comparing Fractions

Fractions, Decimals & % · Grade 4

Score: _____ / 10

★ Hard · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. Compare $\frac{3}{4}$ and $\frac{5}{7}$. Which is greater?

Answer: _____

2. Order from least to greatest:

$\frac{2}{3}$, $\frac{3}{5}$, $\frac{7}{10}$

Answer: _____

3. Simplify $36/48$ to lowest terms.

Answer: _____

4. Order from greatest to least:
 $5/6$, $3/4$, $7/9$

Answer: _____

5. Simplify $48/60$ to lowest terms.

Answer: _____

6. Compare $\frac{4}{5}$ and $\frac{5}{6}$. Which is greater?

Answer: _____

7. Simplify $\frac{75}{100}$ to lowest terms.

Answer: _____

8. Order from least to greatest:

$\frac{3}{8}$, $\frac{1}{4}$, $\frac{5}{12}$

Answer: _____

9. Simplify $24/36$ to lowest terms.

Answer: _____

10. Find two equivalent fractions for $4/5$ with denominators 10 and 25.

Answer: _____

Answer Key

Equivalent & Comparing Fractions — Hard

1. **$\frac{3}{4}$ is greater. LCD=28: $\frac{3}{4}=\frac{21}{28}$, $\frac{5}{7}=\frac{20}{28}$. $21>20$.**

LCD=28. $\frac{3}{4}=\frac{21}{28}$, $\frac{5}{7}=\frac{20}{28}$. Since $21>20$, $\frac{3}{4}>\frac{5}{7}$.

2. **$\frac{3}{5} < \frac{2}{3} < \frac{7}{10}$**

LCD=30: $\frac{18}{30}$, $\frac{20}{30}$, $\frac{21}{30}$. So $\frac{3}{5} < \frac{2}{3} < \frac{7}{10}$.

3. **$\frac{3}{4}$**

GCF=12. $36\div 12=3$, $48\div 12=4$.

4. **$\frac{5}{6} > \frac{7}{9} > \frac{3}{4}$**

LCD=36: $\frac{30}{36}$, $\frac{27}{36}$, $\frac{28}{36}$. Order: $30>28>27$, so $\frac{5}{6} > \frac{7}{9} > \frac{3}{4}$.

5. **$\frac{4}{5}$**

GCF=12. $48\div 12=4$, $60\div 12=5$.

6. **$\frac{5}{6}$ is greater. LCD=30: $\frac{4}{5}=\frac{24}{30}$, $\frac{5}{6}=\frac{25}{30}$. $25>24$.**

LCD=30. $\frac{4}{5}=\frac{24}{30}$, $\frac{5}{6}=\frac{25}{30}$. $25>24$.

7. **$\frac{3}{4}$**

GCF=25. $75\div 25=3$, $100\div 25=4$.

8. **$\frac{1}{4} < \frac{3}{8} < \frac{5}{12}$**

LCD=24: $\frac{6}{24}$, $\frac{9}{24}$, $\frac{10}{24}$. $6<9<10$.

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

GCF=12. $24\div 12=2$, $36\div 12=3$.

10. **$\frac{8}{10}$ and $\frac{20}{25}$**

$\times 2$: $\frac{8}{10}$. $\times 5$: $\frac{20}{25}$.