

## 5.NF.A.2 Comparing and Ordering Fractions

5.NF.A.2: Solve word problems involving addition and subtraction of fractions.

1. Compare the given fraction below and write  $>$ ,  $<$ , or  $=$  in each box.

- a.  $\frac{1}{3}$    $\frac{3}{9}$     b.  $\frac{3}{5}$    $\frac{5}{7}$     c.  $\frac{6}{15}$    $\frac{1}{2}$     d.  $1\frac{1}{2}$    $1\frac{1}{5}$   
 e.  $1\frac{3}{4}$    $1\frac{1}{5}$     f.  $\frac{4}{7}$    $\frac{5}{9}$     g.  $\frac{6}{7}$    $\frac{12}{14}$     h.  $3\frac{7}{9}$    $3\frac{2}{3}$

2. Arrange the fractions in ascending order.

- a.  $\frac{3}{5}$ ,  $\frac{1}{4}$ , and  $\frac{2}{7}$   
 b.  $1\frac{9}{15}$ ,  $1\frac{2}{3}$ , and  $\frac{20}{15}$   
 c.  $1\frac{5}{8}$ ,  $1\frac{6}{14}$ , and  $1\frac{5}{7}$   
 d.  $\frac{7}{9}$ ,  $\frac{4}{7}$ , and  $\frac{5}{6}$

Answers:

- a.  
b.  
c.  
d.

3. Fridge used  $\frac{5}{8}$  of his money for his mother's birthday gift,  $\frac{1}{12}$  of his money for some snacks, and  $\frac{1}{6}$  of his money for a drink. Order the portion of his expenses from least to greatest.

Answer:

4. Use the table on your right to answer the following questions.

- a. Which movie has the longest time duration?  
 b. Which movie has the shortest time duration?  
 c. Order the time durations from shortest to longest.

Movie Time Duration

Movie	Duration
Up	$1\frac{3}{5}$ hour
Toy Story	$1\frac{7}{20}$ hour
Tangled	$1\frac{2}{3}$ hour

Answers:

- a.                                      b.                                      c.

5. Which of the mixed numbers/fractions is the smallest?

- A.  $3\frac{1}{6}$                       B.  $\frac{20}{7}$                       C.  $\frac{25}{7}$                       D.  $3\frac{1}{2}$

Answer:

# 5.NF.A.2 Comparing and Ordering Fractions

## Answer Key

5.NF.A.2: Solve word problems involving addition and subtraction of fractions.

1. Compare the given fraction below and write  $>$ ,  $<$ , or  $=$  in each box.

- a.  $\frac{1}{3}$   $=$   $\frac{3}{9}$     b.  $\frac{3}{5}$   $<$   $\frac{5}{7}$     c.  $\frac{6}{15}$   $<$   $\frac{1}{2}$     d.  $1\frac{1}{2}$   $>$   $1\frac{1}{5}$   
 e.  $1\frac{3}{4}$   $>$   $1\frac{1}{5}$     f.  $\frac{4}{7}$   $>$   $\frac{5}{9}$     g.  $\frac{6}{7}$   $=$   $\frac{12}{14}$     h.  $3\frac{7}{9}$   $>$   $3\frac{2}{3}$

2. Arrange the fractions in ascending order.

- a.  $\frac{3}{5}$ ,  $\frac{1}{4}$ , and  $\frac{2}{7}$   
 b.  $1\frac{9}{15}$ ,  $1\frac{2}{3}$ , and  $\frac{20}{15}$   
 c.  $1\frac{5}{8}$ ,  $1\frac{6}{14}$ , and  $1\frac{5}{7}$   
 d.  $\frac{7}{9}$ ,  $\frac{4}{7}$ , and  $\frac{5}{6}$

Answers:

- a.  $\frac{1}{4}$ ,  $\frac{2}{7}$ ,  $\frac{3}{5}$   
 b.  $\frac{20}{15}$ ,  $1\frac{9}{15}$ ,  $1\frac{2}{3}$   
 c.  $1\frac{6}{14}$ ,  $1\frac{5}{8}$ ,  $1\frac{5}{7}$   
 d.  $\frac{4}{7}$ ,  $\frac{7}{9}$ ,  $\frac{5}{6}$

3. Fridge used  $\frac{5}{8}$  of his money for his mother's birthday gift,  $\frac{1}{12}$  of his money for some snacks, and  $\frac{1}{6}$  of his money for a drink. Order the portion of his expenses from least to greatest.

Answer:

$\frac{1}{12}$ ,  $\frac{1}{6}$ ,  $\frac{5}{8}$

4. Use the table on your right to answer the following questions.

- a. Which movie has the longest time duration?  
 b. Which movie has the shortest time duration?  
 c. Order the time durations from shortest to longest.

Movie Time Duration

Movie	Duration
Up	$1\frac{3}{5}$ hour
Toy Story	$1\frac{7}{20}$ hour
Tangled	$1\frac{2}{3}$ hour

Answers:

- a. **Tangled**    b. **Toy Story**    c.  $1\frac{7}{20}$ ,  $1\frac{2}{3}$ ,  $1\frac{3}{5}$

5. Which of the mixed numbers/fractions is the smallest?

- A.  $3\frac{1}{6}$     B.  $\frac{20}{7}$     C.  $\frac{25}{7}$     D.  $3\frac{1}{2}$

Answer:

**B.**  $\frac{20}{7}$