



3rd  
Basic

4th  
Advanced

# Helping With Math

USA  
GRADES

## Ordering Fractions

Suitable for students  
aged 7-9



This pack is suitable for learners aged 7-9 years old or 3rd and 4th graders (USA). The content covers fact files and relevant basic and advanced activities involving ordering fractions.

- Fractions show equal parts of a whole.
- It has two parts: numerator and the denominator.
- Fractions can be ordered from descending to ascending and vice versa.
- When arranging the orders of the fractions, it is important that the fractions have the same denominator.
- If the fractions have different denominators, you have to find the LCD of all the denominators.

$\frac{1}{2}$

1 ← NUMERATOR

2 ← DENOMINATOR



HAPPY  
BIRTHDAY




# HOW TO ARRANGE THE FRACTIONS

## FOR LIKE FRACTIONS

When ordering like fractions or fractions with the same denominator, you only need to look at the numerator of each fractions.

*Example:*


$$\frac{1}{4} \quad \frac{2}{4} \quad \frac{3}{4} \quad \frac{5}{4}$$

## FOR UNLIKE FRACTIONS

When ordering unlike fractions or fractions with a different denominator, you need to find the LCD of each denominators.

*Example:*


$$\frac{1}{2} \quad \frac{3}{4} \quad \frac{5}{8}$$

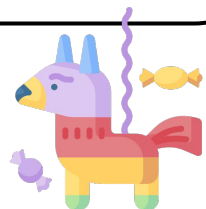
LCD = 8

## FOR MIXED NUMBERS

Convert your mixed numbers into improper fractions. If the fractions are unlike fractions, find the LCD of the denominators to make them like fractions.

*Example:* LCD = 8


$$2\frac{1}{2} \quad 3\frac{3}{4} \quad 1\frac{5}{8} = \frac{5}{2} \quad \frac{15}{4} \quad \frac{13}{8}$$

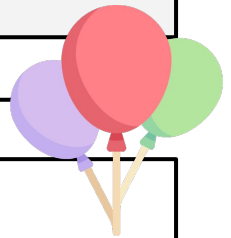
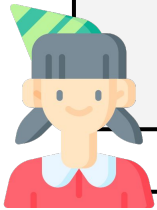


## LET'S PRACTICE!

Let's try what you have learned. Arrange the following fractions in its correct order.

### DESCENDING ORDER (Greatest to Least)

$$\frac{3}{9} \quad \frac{5}{9} \quad \frac{4}{9} \quad \frac{1}{9}$$



### ASCENDING ORDER (Least to Greatest)

$$\frac{2}{6} \quad \frac{8}{9} \quad \frac{3}{12} \quad \frac{1}{3}$$



### ASCENDING ORDER (Least to Greatest)

$$1 \frac{3}{4} \quad 2 \frac{1}{2} \quad 3 \frac{5}{8} \quad 1 \frac{3}{8}$$



# TABLE OF ACTIVITIES

<b>Ages 7-8</b> (Basic)		<u>3rd Grade</u>
1	Color the Shape	
2	The Magic Show	
3	Winner of the Game	
4	Arrange Yourselves	
5	Party Games	
<b>Ages 8-9</b> (Advanced)		<u>4th Grade</u>
6	Choose a Balloon	
7	Rewrite and Sing	
8	Follow the Arrows	
9	Memories of the Day	
10	How Well Do You Understand?	



# COLOR THE SHAPE

G3  
Basic

The Color game is about to start. Join and win the game by shading the rounded rectangle with the correct order of the given fractions.

$$\frac{5}{12} \quad \frac{2}{12} \quad \frac{9}{12} \quad \frac{4}{12}$$

$$\frac{2}{12} \quad \frac{4}{12} \quad \frac{5}{12} \quad \frac{9}{12}$$

$$\frac{5}{12} \quad \frac{4}{12} \quad \frac{2}{12} \quad \frac{9}{12}$$

$$\frac{15}{20} \quad \frac{17}{20} \quad \frac{10}{20} \quad \frac{7}{20}$$

$$\frac{10}{20} \quad \frac{15}{20} \quad \frac{7}{20} \quad \frac{17}{20}$$

$$\frac{7}{20} \quad \frac{10}{20} \quad \frac{15}{20} \quad \frac{17}{20}$$

$$\frac{6}{15} \quad \frac{10}{15} \quad \frac{13}{15} \quad \frac{3}{15}$$

$$\frac{13}{15} \quad \frac{10}{15} \quad \frac{6}{15} \quad \frac{3}{15}$$

$$\frac{10}{15} \quad \frac{13}{15} \quad \frac{3}{15} \quad \frac{6}{15}$$

$$\frac{4}{7} \quad \frac{6}{7} \quad \frac{2}{7} \quad \frac{3}{7}$$

$$\frac{3}{7} \quad \frac{6}{7} \quad \frac{2}{7} \quad \frac{4}{7}$$

$$\frac{2}{7} \quad \frac{3}{7} \quad \frac{4}{7} \quad \frac{6}{7}$$

$$\frac{9}{10} \quad \frac{2}{10} \quad \frac{3}{10} \quad \frac{7}{10}$$

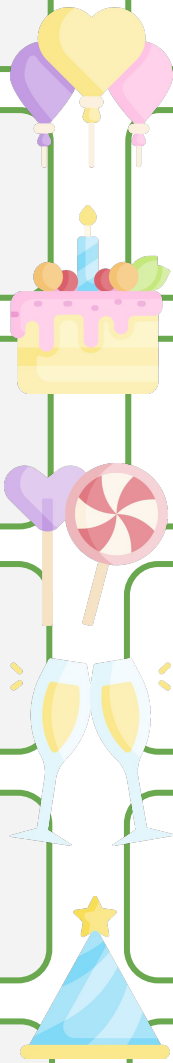
$$\frac{2}{10} \quad \frac{3}{10} \quad \frac{7}{10} \quad \frac{9}{10}$$

$$\frac{3}{10} \quad \frac{2}{10} \quad \frac{7}{10} \quad \frac{9}{10}$$

$$\frac{8}{13} \quad \frac{9}{13} \quad \frac{4}{13} \quad \frac{11}{13}$$

$$\frac{11}{13} \quad \frac{9}{13} \quad \frac{8}{13} \quad \frac{4}{13}$$

$$\frac{9}{13} \quad \frac{8}{13} \quad \frac{4}{13} \quad \frac{11}{13}$$



# THE MAGIC SHOW

G3  
Basic

The magician for the birthday party will come out in a few minutes. But before that, you need to put a ✓ on the box if the given fractions are in order, while an X if not.

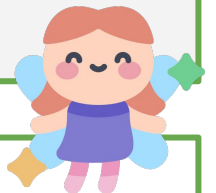
$$\frac{25}{30} \quad \frac{27}{30} \quad \frac{10}{30} \quad \frac{15}{30} \quad \frac{20}{30}$$



$$\frac{15}{20} \quad \frac{13}{20} \quad \frac{10}{20} \quad \frac{8}{20} \quad \frac{5}{20}$$



$$\frac{1}{16} \quad \frac{4}{16} \quad \frac{6}{16} \quad \frac{10}{16} \quad \frac{14}{16}$$



$$\frac{15}{35} \quad \frac{13}{35} \quad \frac{17}{35} \quad \frac{18}{35} \quad \frac{20}{35}$$



$$\frac{13}{20} \quad \frac{11}{20} \quad \frac{8}{20} \quad \frac{17}{20} \quad \frac{6}{20}$$



# WINNER OF THE GAME

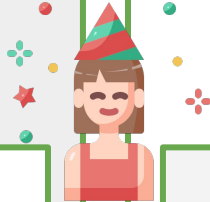
G3

Basic

Win all the games and identify the order of the fractions, if it is in **DESCENDING** or **ASCENDING** order.

1.

$$\frac{12}{15} \quad \frac{6}{15} \quad \frac{2}{15}$$



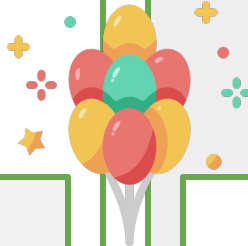
4.

$$\frac{4}{20} \quad \frac{11}{20} \quad \frac{17}{20}$$



2.

$$\frac{3}{6} \quad \frac{4}{6} \quad \frac{5}{6}$$



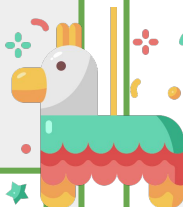
5.

$$\frac{10}{25} \quad \frac{15}{25} \quad \frac{21}{25}$$



3.

$$\frac{21}{30} \quad \frac{15}{30} \quad \frac{11}{30}$$



6.

$$\frac{1}{5} \quad \frac{2}{5} \quad \frac{3}{5}$$



# ARRANGE YOURSELVES

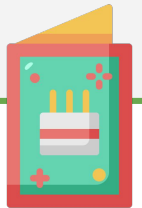
G3  
Basic

The children needs to arrange themselves by height. Think fast and arrange the fractions too in descending and ascending order.

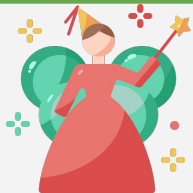


$$\frac{19}{20} \quad \frac{5}{20} \quad \frac{7}{20} \quad \frac{13}{20} \quad \frac{15}{20} \quad \frac{4}{20}$$

DESCENDING:



ASCENDING:



$$\frac{13}{25} \quad \frac{17}{25} \quad \frac{9}{25} \quad \frac{15}{25} \quad \frac{7}{25} \quad \frac{3}{25}$$

DESCENDING:



ASCENDING:





# PARTY GAMES

G3  
Basic

The games have officially started. To start the game, arrange the fractions in its correct order.

1.

$$\frac{5}{7} \quad \frac{2}{7} \quad \frac{3}{7}$$



\_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

4.

$$\frac{11}{19} \quad \frac{17}{19} \quad \frac{5}{19}$$

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

2.

$$\frac{9}{11} \quad \frac{5}{11} \quad \frac{10}{11}$$



\_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

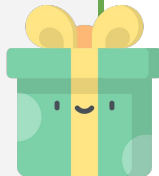
5.

$$\frac{4}{13} \quad \frac{7}{13} \quad \frac{5}{13}$$

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

3.

$$\frac{4}{17} \quad \frac{11}{17} \quad \frac{8}{17}$$



\_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

6.

$$\frac{9}{12} \quad \frac{5}{12} \quad \frac{7}{12}$$

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_



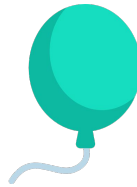
# CHOOSE A BALLOON

G4  
Advanced

There are different balloon designs. Help them choose the perfect design by identifying if both givens are correct or not.



Both are correct



Both are wrong

A.  $\frac{1}{6}$   $\frac{3}{6}$   $\frac{4}{6}$   $\frac{5}{6}$

B.  $\frac{3}{9}$   $\frac{5}{9}$   $\frac{7}{9}$   $\frac{8}{9}$



A.  $\frac{5}{2}$   $\frac{7}{2}$   $\frac{3}{2}$   $\frac{1}{2}$

B.  $\frac{1}{9}$   $\frac{4}{9}$   $\frac{2}{9}$   $\frac{3}{9}$

A.  $\frac{12}{17}$   $\frac{13}{17}$   $\frac{10}{17}$   $\frac{11}{17}$

B.  $\frac{11}{15}$   $\frac{7}{15}$   $\frac{9}{15}$   $\frac{8}{15}$

A.  $\frac{15}{35}$   $\frac{17}{35}$   $\frac{21}{35}$   $\frac{23}{35}$

B.  $\frac{20}{37}$   $\frac{24}{37}$   $\frac{27}{37}$   $\frac{29}{37}$



A.  $\frac{12}{15}$   $\frac{11}{15}$   $\frac{6}{15}$   $\frac{3}{15}$

B.  $\frac{1}{9}$   $\frac{5}{9}$   $\frac{7}{9}$   $\frac{8}{9}$



# REWRITE AND SING

G4  
Advanced

It is now time to sing a Birthday song for the celebrant. Join in singing and arrange the order of the following fractions.

$$\frac{23}{30} \quad \frac{17}{30} \quad \frac{25}{30}$$



$$\frac{12}{7} \quad \frac{15}{7} \quad \frac{5}{7}$$



$$\frac{1}{6} \quad \frac{2}{5} \quad \frac{1}{3}$$



$$\frac{7}{5} \quad \frac{5}{3} \quad \frac{3}{15}$$



$$\frac{6}{8} \quad \frac{7}{4} \quad \frac{8}{12}$$



# FOLLOW THE ARROWS

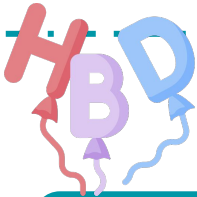
G4  
Advanced

Follow the arrows to get a special prize. Arrange the fractions in descending order. Don't forget to find the LCD of the denominators! Show your solutions too.

$$\frac{3}{6} \quad \frac{2}{12} \quad \frac{3}{4}$$



→  →



$$\frac{5}{8} \quad \frac{2}{4} \quad \frac{11}{12}$$

→  →



$$\frac{7}{8} \quad \frac{6}{9} \quad \frac{5}{12}$$

→  →

$$\frac{2}{5} \quad \frac{1}{2} \quad \frac{4}{10}$$

→  →



# MEMORIES OF THE DAY

G4  
Advanced

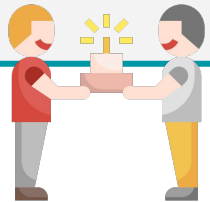
The celebrant is going to each tables for photos. Give your best smile after you've arranged the following from least to greatest.

$$\frac{8}{15} \quad \frac{6}{5} \quad \frac{11}{3} \quad \frac{9}{5}$$



$$\frac{15}{16} \quad \frac{22}{24} \quad \frac{9}{4} \quad \frac{12}{8}$$

$$1\frac{13}{3} \quad 2\frac{7}{12} \quad 2\frac{9}{6} \quad 1\frac{9}{8}$$



$$2\frac{3}{4} \quad 1\frac{9}{12} \quad 3\frac{7}{8} \quad 1\frac{6}{8}$$



# HOW WELL DO YOU UNDERSTAND?

G4  
Advanced

You are going to attend a party. Get ready by arranging the mixed numbers in the correct order. Explain how you got your answer.

$$2\frac{3}{5} \quad 3\frac{7}{10} \quad 1\frac{9}{20} \quad 2\frac{1}{2}$$



**ASCENDING:**

**DESCENDING:**



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# ANSWER GUIDE

## Activity 1

1.  $\frac{2}{12}$ ,  $\frac{4}{12}$ ,  $\frac{5}{12}$ ,  $\frac{9}{12}$
2.  $\frac{7}{20}$ ,  $\frac{10}{20}$ ,  $\frac{15}{20}$ ,  $\frac{17}{20}$
3.  $\frac{13}{15}$ ,  $\frac{10}{15}$ ,  $\frac{6}{15}$ ,  $\frac{3}{15}$

4.  $\frac{2}{7}$ ,  $\frac{3}{7}$ ,  $\frac{4}{7}$ ,  $\frac{6}{7}$
5.  $\frac{2}{10}$ ,  $\frac{3}{10}$ ,  $\frac{7}{10}$ ,  $\frac{9}{10}$
6.  $\frac{11}{13}$ ,  $\frac{9}{13}$ ,  $\frac{8}{13}$ ,  $\frac{4}{13}$

## Activity 2

1. X
2. ✓
3. ✓
4. X
5. X

## Activity 3

1. DESCENDING
2. ASCENDING
3. DESCENDING
4. ASCENDING
5. ASCENDING
6. ASCENDING

## Activity 4

1.  $\frac{19}{20}$ ,  $\frac{15}{20}$ ,  $\frac{13}{20}$ ,  $\frac{7}{20}$ ,  $\frac{5}{20}$ ,  $\frac{4}{20}$   
 $\frac{4}{20}$ ,  $\frac{5}{20}$ ,  $\frac{7}{20}$ ,  $\frac{13}{20}$ ,  $\frac{15}{20}$ ,  $\frac{19}{20}$
2.  $\frac{17}{25}$ ,  $\frac{15}{25}$ ,  $\frac{13}{25}$ ,  $\frac{9}{25}$ ,  $\frac{7}{25}$ ,  $\frac{3}{25}$   
 $\frac{3}{25}$ ,  $\frac{7}{25}$ ,  $\frac{9}{25}$ ,  $\frac{13}{25}$ ,  $\frac{15}{25}$ ,  $\frac{17}{25}$



# ANSWER GUIDE

## Activity 5

1.  $\frac{5}{7}$ ,  $\frac{3}{7}$ ,  $\frac{2}{7}$
2.  $\frac{9}{11}$ ,  $\frac{5}{11}$ ,  $\frac{10}{11}$
3.  $\frac{11}{17}$ ,  $\frac{8}{17}$ ,  $\frac{4}{17}$

4.  $\frac{5}{19}$ ,  $\frac{11}{19}$ ,  $\frac{17}{19}$
5.  $\frac{4}{13}$ ,  $\frac{5}{13}$ ,  $\frac{7}{13}$
6.  $\frac{5}{12}$ ,  $\frac{7}{12}$ ,  $\frac{9}{12}$

## Activity 6

1. 
2. 
3. 
4. 
5. 

## Activity 7

1.  $\frac{17}{30}$ ,  $\frac{23}{30}$ ,  $\frac{25}{30}$
2.  $\frac{15}{7}$ ,  $\frac{12}{7}$ ,  $\frac{5}{7}$
3.  $\frac{1}{6}$ ,  $\frac{1}{3}$ ,  $\frac{2}{5}$

4.  $\frac{5}{3}$ ,  $\frac{7}{5}$ ,  $\frac{3}{15}$
5.  $\frac{7}{4}$ ,  $\frac{6}{8}$ ,  $\frac{8}{12}$

## Activity 8

1.  $\frac{3}{4}$ ,  $\frac{3}{6}$ ,  $\frac{2}{12}$
2.  $\frac{11}{12}$ ,  $\frac{5}{8}$ ,  $\frac{2}{4}$

3.  $\frac{7}{8}$ ,  $\frac{6}{9}$ ,  $\frac{5}{12}$
4.  $\frac{1}{2}$ ,  $\frac{2}{5}$ ,  $\frac{4}{10}$





# ANSWER GUIDE

## Activity 9

1.  $\frac{8}{15}$ ,  $\frac{6}{5}$ ,  $\frac{9}{5}$ ,  $\frac{11}{3}$   
2.  $\frac{22}{24}$ ,  $\frac{15}{16}$ ,  $\frac{12}{8}$ ,  $\frac{9}{4}$

3.  $2\frac{7}{12}$ ,  $2\frac{9}{6}$ ,  $3\frac{9}{8}$ ,  $1\frac{13}{3}$   
4.  $1\frac{6}{8}$ ,  $1\frac{9}{12}$ ,  $2\frac{3}{4}$ ,  $3\frac{7}{8}$

## Activity 10

ASCENDING:  $1\frac{9}{20}$ ,  $2\frac{1}{2}$ ,  $2\frac{3}{5}$ ,  $3\frac{7}{10}$

DESCENDING:  $3\frac{7}{10}$ ,  $2\frac{3}{5}$ ,  $2\frac{1}{2}$ ,  $1\frac{9}{20}$

Convert your mixed numbers into improper fractions. If the fractions are unlike fractions, find the LCD of the denominators to make them like fractions.

*\*Answers to the explanation may vary.*



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