



3rd Basic  
4th Advanced

# Helping With Math

USA GRADES

## Estimating and Rounding Time

*Suitable for students aged 7-9*

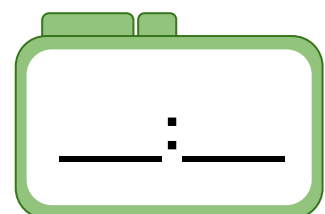


This pack is suitable for learners aged 7 to 9 years old or 3rd or 4th grades (USA). The content covers fact files and relevant basic and advanced activities involving estimating and rounding time.



For the year 2022, Mardi Gras will be celebrated on March 1! Are you ready? Set up this alarm by rounding it to the nearest hour!

10:35

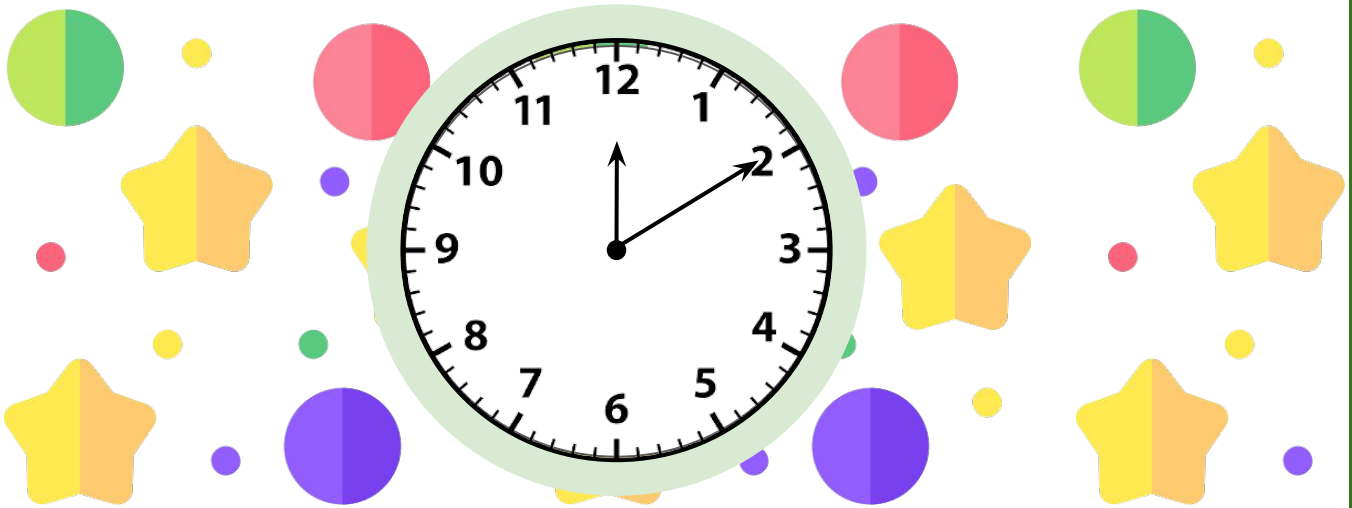


## CONCEPTS

### ESTIMATING AND ROUNDING TIME

- Depending on what's indicated, you can estimate time by the hour, quarter-hour, or even by 5 minutes.
- To estimate by the hour, 30 minutes and above are rounded up, and 29 minutes below are rounded down.
- If asked to estimate by quarter-hour, more than half of that quarter is rounded up, and less than half is rounded down.
- To round time by the 5-minute mark, if the minute is or ends with 1, 2, 6 or 7, you round down, and if it is or ends with 3, 4, 8, or 9, you round up!

*Round this clock by quarter hour!*



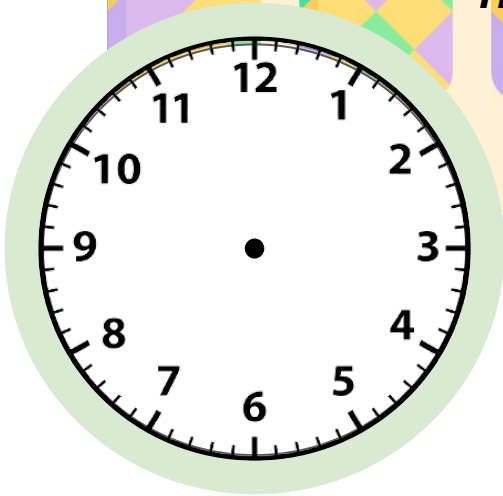
To round this clock to the nearest quarter hour, let's do this steps!

1. To what am I rounding to?	Quarter Hour
2. What is the Current Time?	12:10
3. Do I round up or down?	Round Up
4. What is the Round Time?	12:15



## SAMPLE/APPLICATION

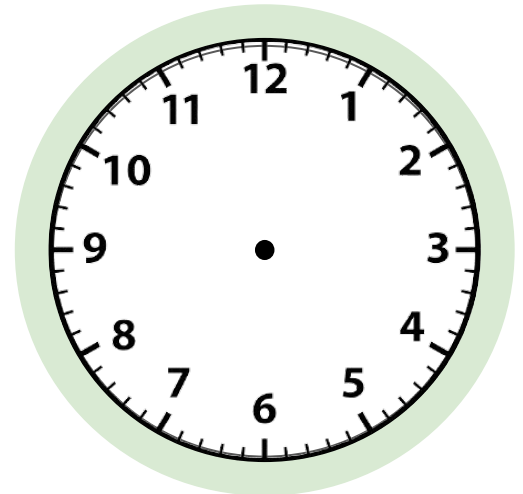
*Try these yourself!*



Estimate 3:07 to the nearest 5 minute mark!



Estimate 5:12 to the nearest Quarter Hour!



### Did You Know

Mardi Gras is an event used to celebrate the end of the Lenten season. It is during every Shrove Tuesday

### APPLICATIONS

- Rounding time is very important to know if we want to know how early or late we are attending a celebration!
- It is also useful when adjusting time!
- You can easily modify your schedule by using estimation of time!



# TABLE OF ACTIVITIES

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# LET'S START THE PARADE

G3  
Basic

Mardi Gras means parades, floats, and concerts! Help the organizers by matching the start of the events to their estimated time by the quarter-hour!



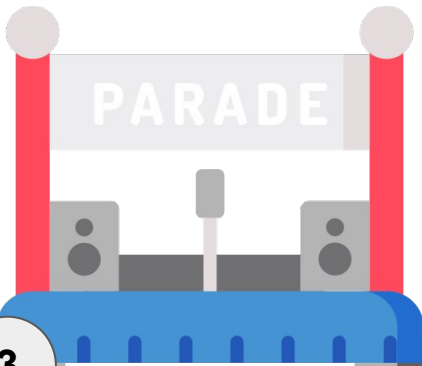
1

Start - 7:10



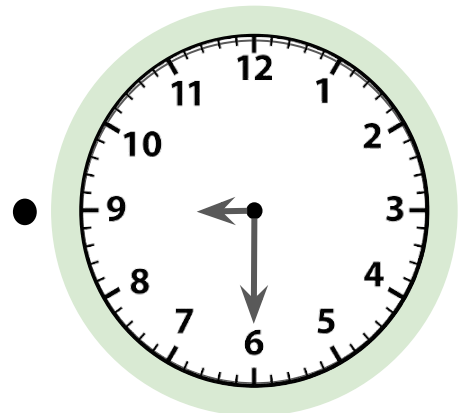
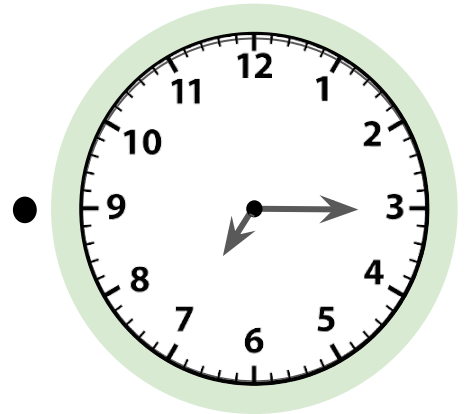
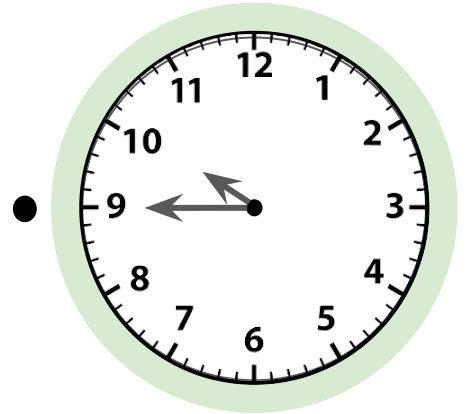
2

Parade - 9:32



3

Concert - 10:43



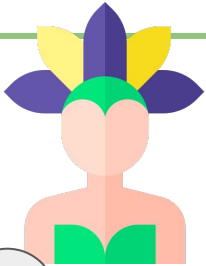
# HOW MANY BEADS?

G3  
Basic

Millions of colorful beads are thrown around or given to other people during Mardi Gras. Help Julianna remember how many beads she got. Cross the time that's closest to her estimation!

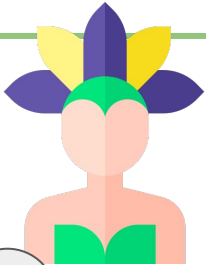
1

I think I got my first beads by 7:30



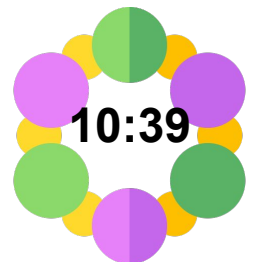
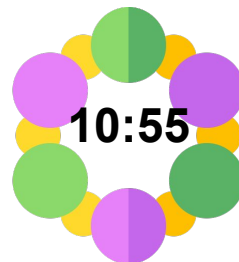
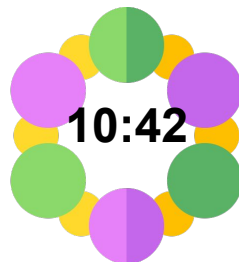
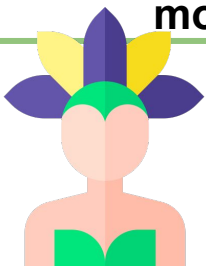
2

Then they gave me more beads by 9:00



3

By the end, almost 10:45 they gave me more!



# MAINTAIN THE FLOATS

G3

Basic

Floats are a staple during Mardi Gras celebrations. During parades, they make a stop to check if everything is fine. Estimate the time by the nearest 5-minute mark to know when to check.



1

10:37



\_\_\_\_:\_\_\_\_

2

11:22



\_\_\_\_:\_\_\_\_

3

3:41



\_\_\_\_:\_\_\_\_

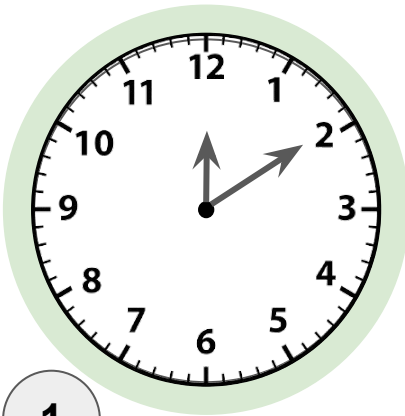


# COLORS OF MARDI GRAS

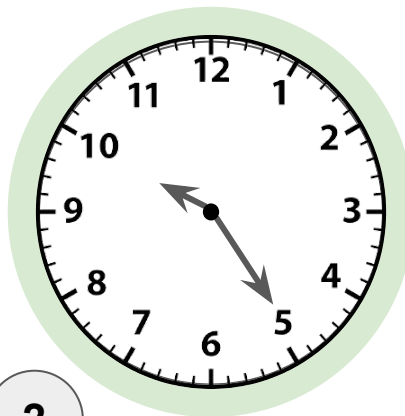
G3  
Basic

Do you know the most common colors used during Mardi Gras? Estimate the times below to know which colors are the traditional colors of Mardi Gras! You can cut and paste the colors!

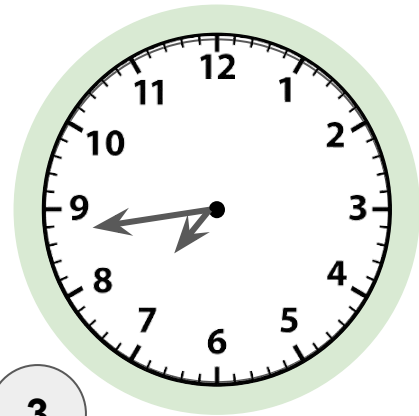
*Round this clocks to the nearest Quarter Hour*



1



2



3

What are the colors of Mardi Gras?

Answer: \_\_\_\_\_

*Purple*

10:30

*Red*

3:30

*Brown*

10:00

*Pink*

5:45

*Gold*

12:15

*Grey*

1:30

*Blue*

9:30

*Black*

9:15

*Green*

8:15



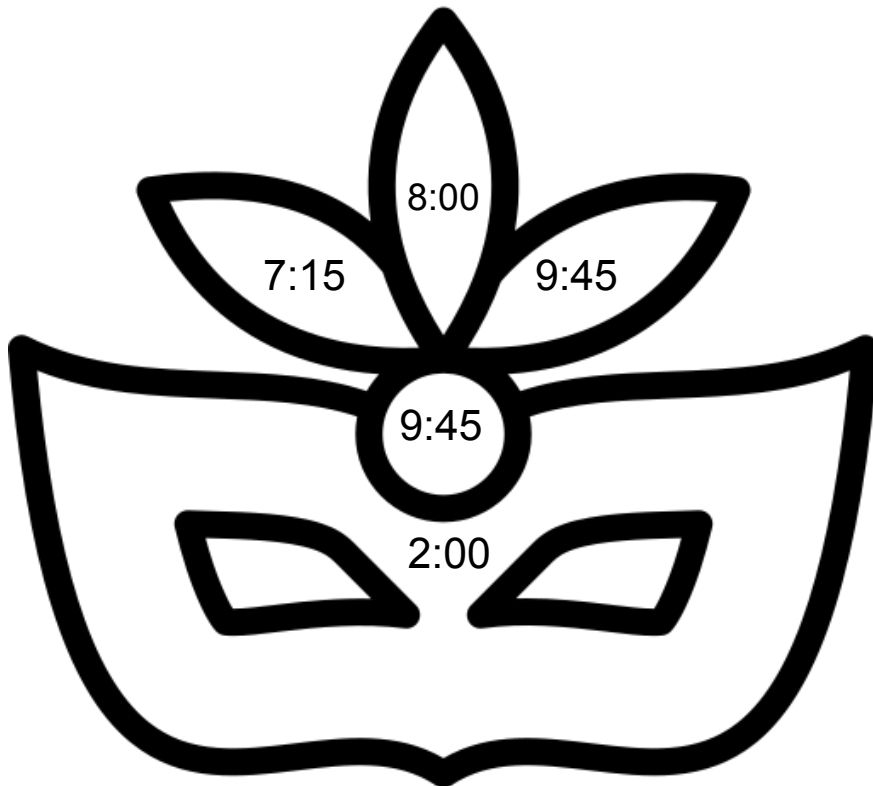


# MASK FOR THE FLOATERS

G3

Basic

During ancient times, people wore masks while celebrating Mardi Gras to help them socialize regardless of their social status. Color the mask using the times below after they've been rounded!



By Quarter Hour

By Hour

By 5-Minute Mark

7:13

10:10

6:02

9:42

2:12

9:44

3:33

7:40

11:17



# FESTIVAL PREPARATIONS

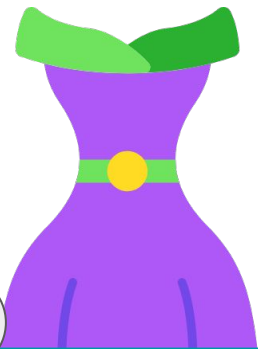
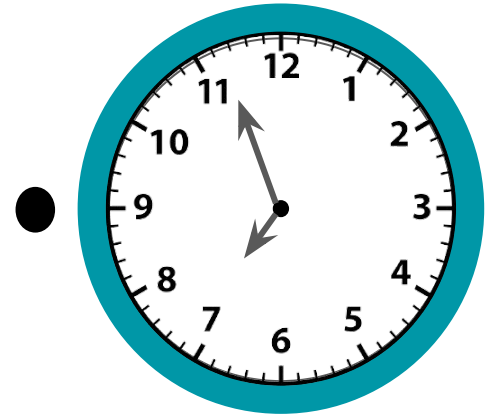
G4  
Advanced

Tailors have a lot to prepare even before the celebration of Mardi Gras. They have to make the dresses the socialite goes wear. Help them match the time to their estimation by the quarter-hour.



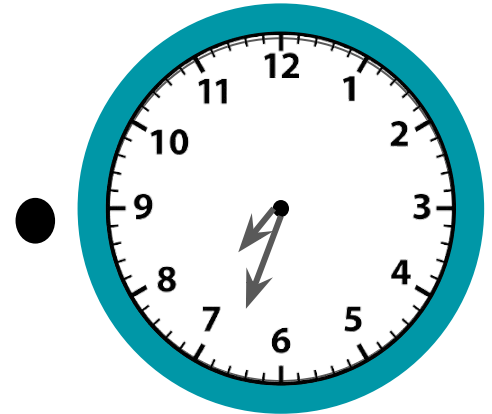
1

Done by: 7:30



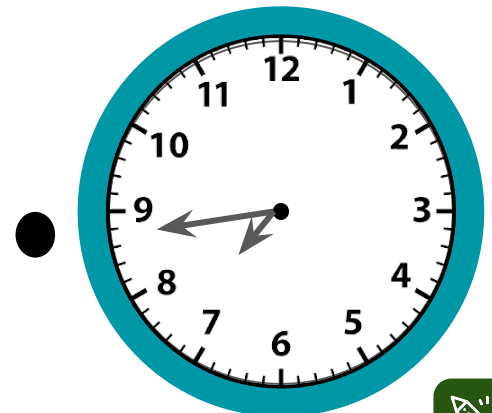
2

Done by: 7:45



3

Done by: 8:00



# LOUISIANA STATE MUSEUM

G4  
Advanced

The Louisiana State Museum gets packed before, during, and after the Mardi Gras because they hold a lot of history of the event itself. Try to answer when all the visitors are expected to arrive!



Hello! I am Receptionist Anny. Here's the visitors record for the afternoon, kindly fill this up. Thanks!

Visitors Name	Expected Time of Arrival	Arrival Time
Mrs. Duncan's Family	By Quarter Hour _____	10:32 am
Mr. & Ms. Perez	By 5-Minute Mark _____	11:11 am
Mr. Guille & Mr. Turner	By Quarter Hour _____	12:03 pm
Ms. Julie & Ms. Pelle	By 5-Minute Mark _____	12:13 pm
Gilmore High	By Quarter Hour _____	12:26 pm



# KING CAKES

G4  
Advanced

King Cakes are a staple baked good during Mardi Gras. It's a cake with a plastic baby inside! Help Flora's Cakeshop by labelling each cake depending on how close they are by the 5-minute mark!



Below is the list of when's the cakes are supposed to be done!

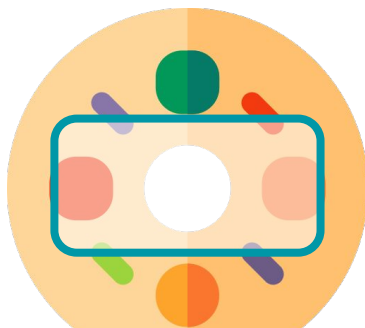
Cake A: 10:35

Cake B: 10:30

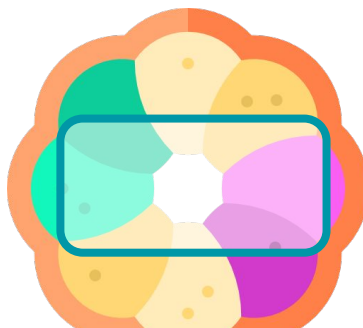
Cake C: 8:15

Cake D: 8:10

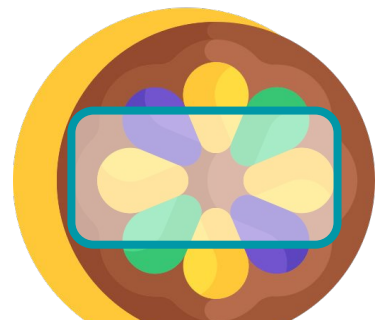
Cake E: 11:05



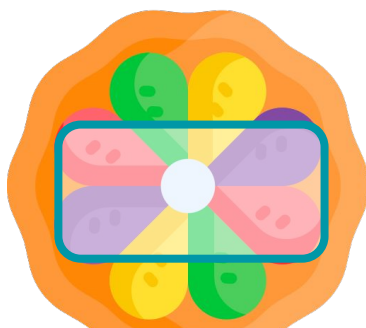
10:31



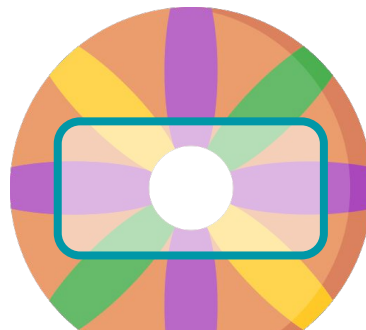
11:04



8:13



8:12



10:34



# KREWE BALLS

G4  
Advanced

Krewes facilitate Mardi Gras! They hold parades and balls, the latter being often super exclusive. Help sort the guests out by putting "x" on them if they are not on time and "✓" if they are!

We will only be accepting guests who arrive before the Quarter Hour of the schedule during these times!



1	2	3	4
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9:28	10:01	9:21	10:54

5	6	7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9:17	11:51	11:03



# PARADE SCHEDULE

Follow the float during the parade to enjoy Mardi Gras. Along the way, time will be given and choose the time corresponding to the estimation given.

Start



By Hour

9:12

10:00

9:00

By Quarter Hour

10:37

10:45

10:30

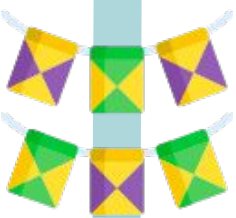


By Quarter Hour

12:07

12:00

12:15



By 5 Minute Mark

11:13

11:15

11:10

Finish



# ANSWER GUIDE

## Activity 1

1. 7:15
2. 9:30
3. 10:45

## Activity 3

1. 10:40
2. 11:20
3. 3:40

## Activity 5

The mask should look like this



## Activity 8

Cake A: 10:34, Cake B: 10:31  
Cake C: 8:13, Cake D: 8:12  
Cake E: 11:04

## Activity 10

1. 9:00
2. 10:30
3. 11:15
4. 12:15

## Activity 2

1. 7:32
2. 8:50
3. 10:42

## Activity 4

1. 12:15
  2. 10:15
  3. 8:30
- Colors of Mardi Gras:  
Purple, Gold, Green!

## Activity 6

1. 7:33
2. 7:44
3. 7:55

## Activity 7

1. 10:30
2. 11:10
3. 12:00
4. 12:15
5. 12:30:

## Activity 9

1. Yes
2. No
3. Yes
4. Yes
5. No
6. No
7. Yes



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