

- 3rd grade version goes through 3-digit by 3-digit numbers
- 4th grade version goes through 6-digit by 6-digit numbers

TICKET SALES

Ticket sales have been through the roof! The table below shows the cost of tickets to Antfarmpark.

	Single Day Ticket	3-Day Ticket	Year-Long Pass
Teenagers	\$45	\$17	\$405
Children	\$35	\$14	\$315
Adults	\$65	\$27	\$585
Seniors	\$53	\$22	\$477

What is the total cost of 1 teenager, 2 children, and 2 adult 3-day tickets?

How much would three seniors pay for year-long passes?

What is the total cost of 2 teenagers, 1 child, 2 adults, and one single day ticket?

What is the difference of the cost of two adult 3-day tickets and two children's 3-day tickets?

Think of your family and friends. Who would you take to a theme park with you? Would you buy single day tickets, 3-day passes, or year-long passes? Imagine that you have \$1,000 to spend on tickets to Antfarmpark. Determine how many of each type of ticket you could purchase with your \$1,000. Make a list of who you would purchase tickets for and the type of ticket. Be sure to spend no more than \$1,000 on tickets.

NAME	TYPE OF TICKET	TOTAL COST

ARE WE THERE YET

Did you know that people drive and fly from all over the world to visit Antfarmpark? Who can blame them, because it's fun for whole fam! The marketing experts took a survey found that the majority of visitors to the park were from the ten most populated cities in the United States. You can see the information in the table below.

City	Population	Distance from Antfarmpark
New York City	8,775,333	885 miles
Los Angeles	3,712,623	2,003 miles
Chicago	2,695,398	1172 miles
Houston	2,099,463	774 miles
Philadelphia	1,526,006	879 miles
Phoenix	1,445,632	1,636 miles
San Antonio	1,527,407	937 miles
San Diego	1,307,402	2,021 miles
Dallas	1,197,816	604 miles
San Jose	945,942	2,260 miles

What is the total distance of the two most populated cities?

A family from Philadelphia traveled 215 miles on the first day of their trip. How many miles do they have left?

Two families traveled a total of 150 miles. What was the distance of their road trip?

How much further is the trip from Los Angeles than San Antonio?

How many more people live in Los Angeles than San Jose?

What is the total number of miles traveled if two families from each city in California?

What is the total number of miles traveled from each city in California?

How much further is the trip from Phoenix than Houston?

How many more people live in San Antonio than San Jose?

Can you use the mileage information to determine which city Antfarmpark is located in?

SNACK TIME

It's normal to get hungry when you're riding rides, going to school, and playing games. Fortunately, Antfarmpark has plenty of concession stands that serve delicious food! Use the nutrition labels of the food served at the park to answer the questions below.

HAMBURGER

Nutrition Facts
Serving Size: 1 Hamburger
Amount Per Serving
Calories 250
Total Fat 10g 20%
Total Carbohydrate 30g 60%
Protein 10g 20%

HOTDOG

Nutrition Facts
Serving Size: 1 Hotdog
Amount Per Serving
Calories 150
Total Fat 5g 10%
Total Carbohydrate 20g 40%
Protein 5g 10%

SOFT DRINK

Nutrition Facts
Serving Size: 1 Soft Drink
Amount Per Serving
Calories 150
Total Fat 0g 0%
Total Carbohydrate 35g 70%
Protein 0g 0%

POPCORN

Nutrition Facts
Serving Size: 1 Cup
Amount Per Serving
Calories 100
Total Fat 2g 4%
Total Carbohydrate 20g 40%
Protein 2g 4%

PRETZEL

Nutrition Facts
Serving Size: 1 Cup
Amount Per Serving
Calories 100
Total Fat 0g 0%
Total Carbohydrate 20g 40%
Protein 2g 4%

COTTON CANDY

Nutrition Facts
Serving Size: 1 Cup
Amount Per Serving
Calories 100
Total Fat 0g 0%
Total Carbohydrate 20g 40%
Protein 2g 4%

What is the total cost of everything? How many hotdogs did she eat?

Andrew ate 100 calories of food at the park. What did he eat?

Booths are a perfect place to eat. How much did the food cost?

Charlie ate 100 calories of food at the park. What three things did he eat?

Dennis ate popcorn and a soft drink. How many calories did he eat?

Francis wanted to order food and to eat it. How many calories did he eat?

Grace ordered a hamburger and soft drink. How many calories did she eat?

How much longer is the wait for Fury than Impulse?

PEAK ATTENDANCE

Before visiting a theme park as amazing as Antfarmpark, it's important to do your research. Use the graph below to analyze data to help you make the best decisions when planning your trip.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Attendance	100,000	150,000	200,000	250,000	300,000	350,000	400,000	450,000	400,000	350,000	300,000	250,000

What is the total attendance?

How many fewer people are there in January than in July?

How many more people are there in August than in February?

PARKING GARAGE

Five different parking garages for the guests of Antfarmpark. Due to the high attendance, there are many vehicles in each parking garage!

Parking Garage	Number of Cars
Parking Garage A	11,675
Parking Garage B	10,756
Parking Garage C	9,438
Parking Garage D	8,389
Parking Garage E	7,234

How many total cars are in Garage A and Garage B?

What is the sum of the cars in Garage B and Garage C?

What is the difference of number of cars in Garage C and Garage D?

How many fewer cars are in Garage E than Garage D?

There are 874 more cars entering Antfarmpark. If they all go to Garage E, how many cars will be in Garage E?

HOW LONG IS THE WAIT

The only bad thing about Antfarmpark is the wait time for the rides. Some of them are over two hours! Use the signs to answer the questions below.

Ride	Wait Time
Wild Blaster	89 MINUTES
Colossus	104 MINUTES
Thunder	55 MINUTES
Wicked Cyclone	208 MINUTES
Fury	106 MINUTES
Impulse	94 MINUTES
Tempesto	235 MINUTES

How long would you wait to ride the Wild Blaster and the Tempesto?

How much longer is the wait for Fury than Impulse?

How long would you wait to ride the Colossus, Thunder, and Fury?

HOW TALL IS THAT RIDE

There are some REALLY tall rides at Antfarmpark! Surprisingly, all of the rides are measured in centimeters, which creates some really big numbers! Use the information below to solve problems about the height of the rides at Antfarmpark.

Ride	Height in Centimeters	Round to the Nearest 10	Round to the Nearest 100	Round to the Nearest 1,000
Wild Blaster	13,898	13,900	13,900	14,000
Colossus	12,801	12,800	12,800	13,000
Thunder	9,672	9,670	9,700	10,000
Wicked Cyclone	9,448	9,450	9,400	10,000
Fury	22,389	22,390	22,400	22,000
Impulse	19,387	19,390	19,400	19,000
Tempesto	16,326	16,330	16,300	16,000
Colossus	8,543	8,540	8,500	9,000
Wild Storm	11,874	11,870	11,900	12,000
Black Hole	14,563	14,560	14,600	15,000

What is the combined height of the Black Hole and Impulse?

What is the difference in height of the Colossus and Wild Storm?

How many fewer centimeters tall is the Colossus than the Wild Blaster?

How much taller is the sum of the Tempesto and Impulse than the Fury?

What is the sum of Wild Storm and Fury?

Oliver rode two rides with a total height of 24,000 centimeters. He knows he rode the Wicked Cyclone. What other ride did Oliver go on?

Peter rode two rides with a total height of 28,220. What two rides did Peter go on?

What is the total height of all of the rides together?

VISIT THE GIFT SHOP

No trip to Antfarmpark is complete without a trip to the gift shop! Use the pictures to solve the problems below.

Item	Price
Shirt	\$12
Necklace	\$18
Camera	\$25
Sunglasses	\$15
Bag	\$10
Headband	\$8
Keychain	\$5
Stickers	\$3
Postcard	\$2

How much would the hat and rock candy cost?

How much more is the necklace than the glasses?

How much more is the camera than the picture frame and sunglasses?

Murphy wanted a shirt and a teddy bear. He has \$70 to spend. Will he have enough money? How much change will he receive?

Kameron bought the mug and rock candy. Lucy bought the necklace and camera. How much more did Lucy spend than Kameron?

Mary Kate bought two things and spent \$18.97. What two items did Mary Kate buy?

She purchased three items. He spent \$0.15. What three items did she buy?

BALANCE THE RIDE

For the Pirate Ship ride to work correctly, both sides of the ship need to hold the same amount of weight. Use the information in the tables below to find how much weight the missing rows can hold. Make sure your calculations are accurate so the ride can safely run!

Left Side	Right Side
Row 1: 345	Row 1: 405
Row 2: 455	Row 2: 345
Row 3: 453	Row 3:
Row 4: 532	Row 4: 510
Row 5: 403	Row 5: 445

Left Side	Right Side
Row 1: 355	Row 1: 510
Row 2:	Row 2: 435
Row 3: 455	Row 3: 325
Row 4: 545	Row 4: 267
Row 5: 535	Row 5: 524

Left Side	Right Side
Row 1: 455	Row 1:
Row 2: 563	Row 2: 515
Row 3: 455	Row 3: 435
Row 4: 632	Row 4: 335
Row 5: 455	Row 5: 474

Left Side	Right Side
Row 1: 437	Row 1: 517
Row 2: 563	Row 2: 367
Row 3: 467	Row 3: 694
Row 4: 574	Row 4:
Row 5: 547	Row 5: 517

Left Side	Right Side
Row 1: 457	Row 1: 642
Row 2: 455	Row 2: 484
Row 3: 506	Row 3: 546
Row 4: 452	Row 4: 457
Row 5:	Row 5: 488

4th Grade Teachers

As I began to work on this second 4th Grade Math Unit, I knew that I wanted something a bit different from my typical math units. The content of this unit is a bit more procedural than in the other 3rd and 4th grade units as students will be applying the algorithm to add and subtract large numbers. Since addition and subtraction has been conceptually taught in kindergarten through third grades, I did not include highly conceptual or manipulative based lessons. Instead, I created a series of ten tasks that were engaging and had an emphasis on application and problem solving. I plan to spend two weeks on this unit, so I have created one task for each of the ten days. During the mini lesson, I will go over basic computation (beginning with addition and moving on toward subtraction). During the mini lesson, I will make note of any student struggling with the computation taught during class, and I will meet with those students in small groups of students during independent work time. As I meet with small groups, I will gradually remove students from the small group as they show understanding and confidence of the material. I did include formal lesson plans for each of the activities for those of us who need to turn in lesson plans 😊. I have also included a general pacing guide, but this is just a suggestion. If you see students are more than ready to move to the next level, simply skip ahead to those larger numbers. I love leaving a few extra days to work on subtraction across zeroes, which is always challenging for students. I have also included extra practice sheets to use at your discretion. Feel free to differentiate for your students by using the 3rd grade version!

Unit at a Glance

Week 1	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
	Adding 3 Digit by 3 Digit Numbers Skill: Addition Practice 1	Adding 4 Digit by 4 Digit Numbers Skill: Addition Practice 2	Adding 5 Digit by 5 Digit Numbers Skill: Addition Practice 3	Adding 6 Digit by 6 Digit Numbers Skill: Place Value 4	Subtracting 2 Digit by 2 Digit Numbers Skill: Subtraction Practice 1
Week 2	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
	Subtracting 3 Digit by 3 Digit Numbers Skill: Subtraction Practice 2	Subtracting 4 Digit by 4 Digit Numbers Skill: Subtraction Practice 3	Subtracting 5 Digit by 5 Digit Numbers Skill: Subtraction Practice 4	Subtracting 6 Digit by 6 Digit Numbers Skill: Subtraction Practice 5	Subtracting Across Zeroes Skill: Subtraction Practice 6

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3rd Grade Teachers

As I made this addition and subtraction unit for fourth grade students, I realized that my third grade students would have loved these activities! I didn't want to leave them out, so I have created an alternative third grade version that will be perfect for your third graders! Since this is not a part of my Third Grade Math Units, I did not include a pacing guide or formal lesson plans for third grade. I would suggest using this as a supplement to your current addition and subtraction unit. You can differentiate for your students by using the 4th grade version!

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Lesson 2: Adding 4 Digit Numbers

Standard: 4.NBT.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.

Materials:

- individual dry erase boards and markers (optional)
- addition and subtraction printables

Mini-lesson

Review with students how to add 4-digit by 4-digit numbers. Students may use the traditional algorithm or any other strategy that allows them to fluently add or subtract numbers. Spend 10-15 minutes practicing together as a whole group. If possible, allow students to use dry erase boards or markers at their seat. If those are not available, have students use scrap paper. As students practice, monitor individual student progress. Take note of any student having a difficult time with accuracy or fluency with their addition or subtraction. Use this information to determine who you will meet with during work time.

Work Time

Allow students to work individually or with a partner. Students will work at their own pace to complete a variety of addition and subtraction activities. Each of the activities will incorporate a variety of large numbers ranging from 3 digit to 6 digit addition and subtraction. Students will be required to apply what they've learned in the mini lesson to real world application problems that require critical thinking.

Closing

Allow students to share their results with the class. See if students can identify addition and subtraction strategies or students who you think did well. Have students articulate their learning process for the activity.

Intervention

- Allow students to complete a simplified version of the activity that uses smaller numbers.

Extension

- Have students create a poster or presentation about the activity.

Essential Questions

- What strategies can I use to help me add and subtract larger numbers?
- How do I know when I should add or subtract?

Formative Assessment

- Monitor student progress during the activity.
- Meet with students who are having difficulty with the activity.

Formal Lesson Plans

Name _____

Addition Practice 4



$$\begin{array}{r} 785,567 \\ + 378,578 \\ \hline \end{array}$$

$$\begin{array}{r} 628,489 \\ + 298,438 \\ \hline \end{array}$$

$$\begin{array}{r} 837,478 \\ + 359,683 \\ \hline \end{array}$$

$$\begin{array}{r} 649,385 \\ + 289,483 \\ \hline \end{array}$$

$$\begin{array}{r} 579,485 \\ + 388,485 \\ \hline \end{array}$$

$$\begin{array}{r} 786,438 \\ + 389,489 \\ \hline \end{array}$$

$$\begin{array}{r} 395,439 \\ + 247,485 \\ \hline \end{array}$$

$$\begin{array}{r} 568,495 \\ + 347,589 \\ \hline \end{array}$$

$$\begin{array}{r} 943,328 \\ + 456,793 \\ \hline \end{array}$$

$$\begin{array}{r} 693,489 \\ + 457,589 \\ \hline \end{array}$$

$$\begin{array}{r} 754,589 \\ + 645,478 \\ \hline \end{array}$$

$$\begin{array}{r} 895,895 \\ + 233,589 \\ \hline \end{array}$$

Skill Building Worksheets