

Do you have a bedtime routine in your home during the summer? Get creative by incorporating math into an existing bedtime routine or as a way of creating one!

Timing the routine

1. Determine the steps expected for your routine (Examples may include: Pajamas, brushing teeth, shower, etc.)
2. Start the timer when steps begin
3. Your child can stop the timer when all the steps are completed
4. Keep track of the minutes it takes and make a graph of the results each week or month

Extension: Use the clock instead of a timer have your child determine elapsed time.

Practice **Passing Time** with this Mathletics Printable!

Math Bedtime Story

No matter where your child is on their math journey, you can find a children's book to go along with the theme. Here are a few of our favorite math themed bedtime stories:

- Mission Addition- Loreen Leedy
- Fraction Action- Loreen Leedy
- Game Time- Stuart Murphy
- The Grapes of Math- Greg Tang

Math Jar

This a great one for any age and level!

When your child is doing their homework and they have trouble with a question in math, write it down on a small piece of paper and put it in a jar. You can also choose questions that were marked wrong on recent assignments, texts, etc.

Each night, have them pick out one question from the jar and complete it. This is a great way to spiral back to previous skills and practice difficult problems multiple times.

Now it's time to count sheep and rest up for another day full of learning tomorrow!

Passing Time

Draw hands to set the first clock to a start time where both hands are in the blue part of the clock.

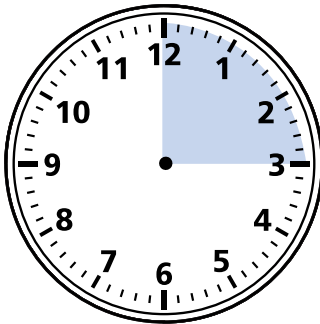
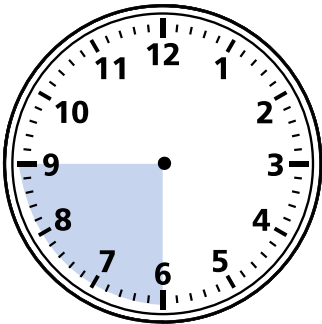
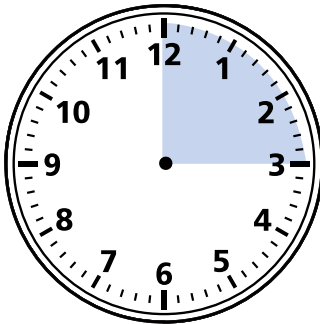
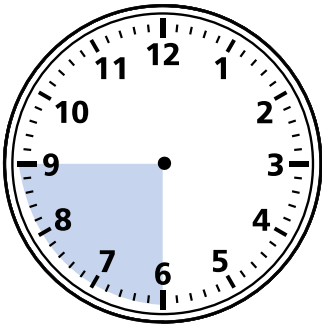
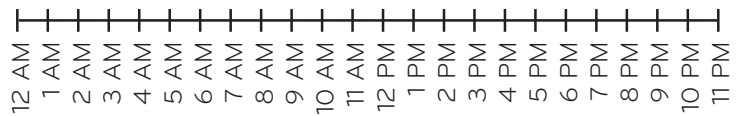
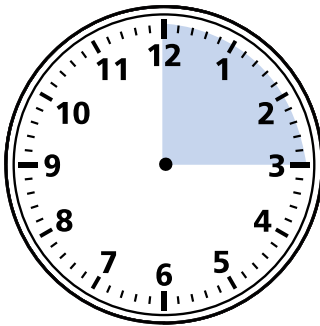
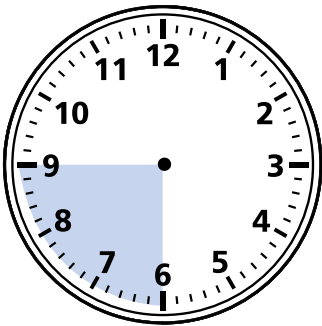
Draw hands to set the second clock to an end time where both hands are in the blue part of the clock.

Tell how much time has passed to go from the first time to the second time.

Try again with at least two different times.

START

END



Name _____

Whether your children play on a team, individually or just enjoy watching sports, it's easy to incorporate a few quick activities to keep up with math practice.

How long was practice?

1. Write down the time when you and/or your child are getting out of the car for practice or a game.
2. When you return to the car or other form of transportation, write down the time.
3. Have your learner determine the amount of time that has elapsed in hours and minutes.

How many hours a week do you spend playing sports?

1. Add up the total amount of minutes spent playing sport each week. Include practice, games, etc. Try to make sure your child only counts actual playing time. i.e. subtract breaks and time between periods or halves.
2. Convert minutes to hours and minutes.

Extension: Determine the amount of time the entire team spends playing sports by multiplying by the number of players.

Statistics

Have your child create a graph to represent stats from their summer of sports. This can be a graph showing the number of points scored throughout the summer, speed, saves, shots on goal etc.

Choose a type of graph to represent the data:

- Choose a type of graph to represent the data:
- Picture Graphs
- Column/Bar Graphs

A trip to the supermarket or grocery store is usually a weekly and sometimes even daily event. Bring your child along and keep them occupied with fun tasks that not only allow them to be involved with shopping for your family but also incorporate math skills.

Cost of Meals

1. If you're planning a meal or even multiple meals, plan out the menu with your child before going to the store.
2. Make a list of items you will need and the quantity of each item.
3. As you are collecting the items at the grocery store, have your child write down the cost of each item. For produce, make sure to weigh the items and have them determine the price before going to the cashier. Note: Weighing items and determining total cost can be an ongoing activity throughout the supermarket for loose items that are priced by weight.
4. Once you have returned home, your child can calculate the total cost of the meal and the cost per person in your family.

Daily, weekly and monthly amounts of customers

1. Ask the manager of a local store the average number of customers that come to the store each day. You can ask the manager together, or have your child ask independently if they are comfortable with doing so.
2. Using the answer, have your child estimate the number of customers per week, month and even year.

Best Value Buys

1. Using an item from your shopping list, find two brands of the same item in different sizes.
2. Record the weight and price for each item.
3. Calculate which one is the better buy based on price per unit.

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Rounding Receipts

1. Save all receipts from your shopping trip
2. Have your child round each item price to the nearest \$0.10, \$0.50 and/or \$1.00.
3. Calculate the total using each method. Compare.

Shopping Carts and Baskets

Use the shopping carts and baskets for a few activities.

1. What are the dimensions?
2. What is the capacity? How many cereal boxes can fit inside?
(make sure to put all the boxes back!)

How many items on the shelf?

1. Choose a section of the shelf that is organized well. Spices, canned foods and cereal boxes work well.
2. Have your child estimate the amount of the item on that section of the shelf.
3. Count the exact amount and compare it to the estimation.

Going to a pool, swimming in one in your backyard or even taking a trip to the beach are great summer activities. With math all around us, a day near the water can be a great opportunity to develop and practice math skills. These activities can also be completed out of the water, in a park, or anywhere. Just simply change the activity from diving underwater to running a distance outside.

Diving for Math Facts

1. Use a diving stick and put it at the bottom of the pool.
2. Say a math fact (Use addition, subtraction, multiplication or division based on your child's level)
3. Once they know the answer, they can dive to retrieve the stick and come back to the surface to yell out the answer.
4. Make it a competition that involves a few kids. Add up their scores and determine a winner!

How deep is the water?

Have your child convert meters to centimeters or feet to inches for the shallow and deep ends of the pool. For an extension, have your child determine how many centimeters/inches they are above the water in the shallow end when standing on the bottom AND how many centimeters/inches they would be below the water if they were standing on the bottom of the deep end.

Math Jackpot

1. Use a rubber ball, foam ball or beach ball. You should have at least 3 people to play.
2. To play, have one person stand with their back to the rest of the pool. This will be the person throwing the balling behind them and yelling out point values.
3. Before each throw behind them, the person should yell out how many points the throw is worth E.g. 200 pts, 25 pts, 70 pts, etc.
4. Whoever catches the ball receives that amount of points.
5. As the game goes on, they will need to add up their points for every ball they catch.
6. First one to 500 wins!

Make it harder by choosing larger or more difficult numbers to add. Throw a curve ball and add in some negatives – the person who catches it will want to throw it back!