

Family Counters

Introduction

The centers in this pack are to be used with Family counters.

- sorting
- counting
- matching
- graphing
- addition



Family Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

- Family counters <https://www.learningresources.com/item-01-about-me-family-counters>
- If the counters are not available, cut apart the included family cards.
- Muffin pan or sorting tray
- Color sorting mats

Procedure:

1. Print the houses onto colored cardstock, then cut and laminate.
2. Place the sorting mats on a table beside the counters.
3. Print and cut out the colored circles and people circles. Place circles in a muffin pan or sorting tray.
4. Students sort the counters based on type or color on either the mats or into the trays.
5. Print, out, and mat the color signs. Display at the sorting center.

Learning Objectives:

- The students will recognize property.
- The students will recognize size, shape



Family Counters #2

Counting

To develop an understanding of numbers and number sense, children must have daily experiences where they compare numbers and count in ways that are personally meaningful and challenging.

Recommended Supplies:

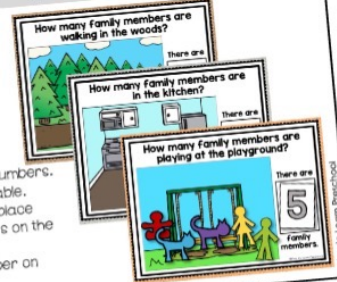
- Family counters
- If the counters are not available, cut apart the included family cards.
- Counting mats
- Bowl for the counters

Procedure:

1. Print and laminate the counting mats and numbers.
2. Place mats, numbers, and counters on a table.
3. The students will pick a number card and place the appropriate number of family counters on the counting mat.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The student will count sets and make combinations of objects to create each set.
- The students will demonstrate one-to-one correspondence.



Family Counters #3

Matching

Providing opportunities for matching helps preschoolers learn about representation and problem solving as well as developing fine motor skills.

Recommended Supplies:

- Family counters
- If the counters are not available, cut apart the included family cards
- House cards or small boxes
- Bowl for counters

Procedure:

1. Print, laminate and cut apart the house cards and the family strips.
2. Place the family counters in a bowl.
3. Students select a family strip and place it at the bottom of the house picture or a small box.
4. Next, add the same counters to the house that match the family strip selected.

Learning Objectives:

- The students will use coordination and match colors.



Family Counters #4

Graphing

Analyzing data is a key step in making sense of information and the world around us.

Recommended Supplies:

- Family Counters
- If the counters are not available, cut apart the included family cards
- Graphs and dice

Procedure:

1. Print and laminate the graphs and dice pages.
2. Assemble the dice per the directions on the dice page.
3. Decide whether the student will graph by family member or color. If member, place the family dice at the center with a bowl of counters. member, place the family dice at the center with a bowl of counters. Use the same procedure for sorting by color.
4. Roll the dice 5 or 10 times depending on the ability of the students. Then how many family counters are in each column and traces the number recording sheet.

Learning Objectives:

- The students will use curiosity.
- The students will use property, (size, shape, color)



Family Counters #5

Addition

Meaningful play with one-to-one correspondence is an important part of early mathematic development.

Recommended Supplies:

- Family counters
- If the counters are not available, cut apart the included family cards
- Counting mats
- Bowl for counters

Procedure:

1. Print and laminate the mats.
2. Place the mats and the family counters on a table.
3. Students count the number of family members and add to the mat. Next, add the correct number card if desired.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The students will recognize numbers.
- The students will demonstrate one-to-one correspondence.



Teddy Bear Counters

Introduction

The centers in this pack are to be used with Teddy Bear counters.

- sorting
- comparing
- graphing
- addition
- matching



Teddy Bear Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

- Bear counters
- <https://www.learningresources.com/item-the-original-three-bear-family-basic-six-colour-noir-bow-counter-set-set-of-26>
- If the counters are not available, cut apart the included bear cards
- Muffin pan or sorting tray
- https://www.takeshapelearning.com/products/math/sorting-patterns/light-table-sorting-tray/p/1_Cs44

Procedure:

1. Print, out, and laminate the sorting circles.
2. Place them in the bottom of a muffin pan or a sorting tray from Learning Resources.
3. Print, out, and mat the color bear signs. Display at the sorting center.
4. Place a bowl of counters next to the sorting circles. Students sort the pieces by size or color.

Learning Objectives:

- The students (number, size etc.)
- The students property. (s)



Teddy Bear Counters #2

Comparing

Comparison is the first step in developing an understanding of measurement. Young children should be immersed in activities that allow them to use their senses to make direct comparisons.

Recommended Supplies:

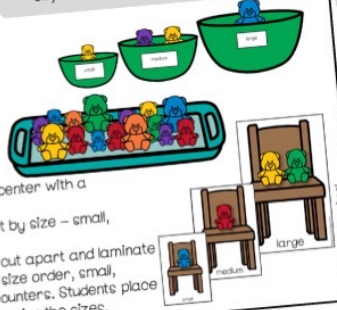
- Bear counters
- If the counters are not available, cut apart the included bear cards
- Chair sizing mat
- Bowl for counters

Procedure:

1. Place 3 different sized bowls at the math center with a container of bear counters.
2. Students compare the bear sizes and sort by size – small, medium, and large.
3. Alternatively, print the chair pages, mat, out apart and laminate as desired. Place the cards on a table in size order, small, medium, and large, with a bowl of bear counters. Students place the bears on the matching chair by comparing the sizes.

Learning Objectives:

- Students will observe objects with curiosity.
- The students will will manipulate objects with hands.



Teddy Bear Counters #3

Graphing

The recognition and analysis of patterns are important components of a child's intellectual development.

Recommended Supplies:

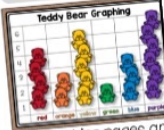
- Bear Counters
- If the counters are not available, cut apart the included bear cards
- Graphing pages
- Bowl for the counters

Procedure:

1. Print and laminate the graphing pages. Place the graphing pages and with random number of bear counters at each student's spot.
2. Students pick a bear from their bowl and place it in the appropriate on the graph. Repeat until all bears from their bowl have been graphed on the graph. Repeat until all bears from their bowl have been graphed on the graph.
3. Once all bears have been graphed, students count the bears in each and record their findings on the "How Many?" chart. Use dry erase on laminated "How Many Bears" page.
4. As an extension, ask students questions such as "Which color has the most? Which color has the least?"

Learning Objectives:

- The student will (number, size, etc.)
- The students will into a series.



Teddy Bear Counters #4

Addition

Meaningful play with one-to-one correspondence is an important part of early mathematic development.

Recommended Supplies:

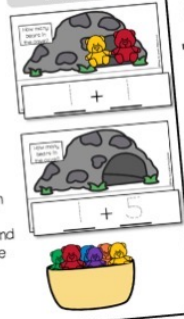
- Bear counters
- If the counters are not available, cut apart the included bear cards
- Cave cards and math sentence strips
- Bowl for counters

Procedure:

1. Print and laminate the mats.
2. Place the mats and the bear counters on a table.
3. Students select a math sentence strip and place it on the cave card, then count the number of bears and add to the cave.
4. Alternatively, use the math sentence strips with plastic cups as caves.

Learning Objectives:

- The students will
- The student will 10 and make each set.



Teddy Bear Counters #5

Matching

Providing opportunities for matching helps preschoolers learn about representation and problem solving as well as developing fine motor skills.

Recommended Supplies:

- Bear counters
- If the counters are not available, cut apart the included bear cards
- Bear matching cards
- Bowl for counters

Procedure:

1. Print and laminate the matching cards.
2. Place the bear counters in a bowl or small box made into a cave.
3. Students select a matching card, then place the bear that matches on top of the picture.

Learning Objectives:

- The students use hand-eye coordination and fine motor skills to match colors.



Farm Counters

Introduction

The centers in this pack are to be used with Farm counters.

- sorting
- grid game
- counting
- addition
- patterning



Farm Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

- Farm animal counters
- <https://www.learningresources.com/item-friendly-farm-animal-counters-set-of-144>
- If the counters are not available, cut apart the included farm cards
- Muffin pan or sorting tray
- https://www.lakeshorelearning.com/products/math/sorting-pattern/print-table-sorting-tray/p/1_0691

Procedure:

1. Print, cut, and laminate the sorting circles.
2. Place them in the bottom of a muffin pan or a sorting tray from Lakeshore Learning.
3. Print, out, and mat the ocean animal signs. Display at the sorting center.
4. Place a bowl of counters next to the sorting circles. Students sort the pieces by animal or color.

Learning Objectives:

- The students will notice and extend simple patterns.
- The students will arrange objects into a series.



Farm Counters #2

Grid Game

The recognition and analysis of patterns are important components of a child's intellectual development.

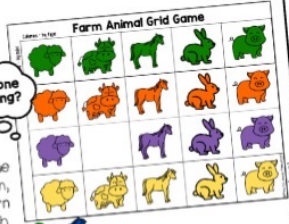
Recommended Supplies:

- Farm animal counters
- If the counters are not available, cut apart the included farm cards
- Printed grid
- Bowl for the counters

Procedure:

1. Print and laminate a couple of grids. Place them at the center with a bowl of farm counters.
2. Students work with a partner to create a grid on the paper graph where each column has the same item, and each row is the same color. Discuss the pattern and relationship of the counters. Students work with their partner and take turns removing a counter and having the other student guess which one (color and type) is missing based on their knowledge of patterns.

Which one is missing?



Learning Objectives:

- The student will notice and extend simple patterns.
- The students will arrange objects into a series.

Farm Counters #3

Counting

To develop an understanding of numbers and number sense, children must have daily experiences where they compare numbers and count in ways that are personally meaningful and challenging.

Recommended Supplies:

- Farm animal counters
- If the counters are not available, cut apart the included farm cards
- Counting mats
- Bowl for the counters

Procedure:

1. Print and laminate the counting mats and numbers.
2. Place mats, numbers, and counters on a table.
3. The students will pick a number card and place the appropriate number of animals on the counting mat.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The student will notice and extend simple patterns.
- The students will arrange objects into a series.
- The students will notice and extend simple patterns.



Farm Counters #4

Addition

Meaningful play with one-to-one correspondence is an important part of early mathematic development.

Recommended Supplies:

- Farm counters
- If the counters are not available, cut apart the included farm cards
- Counting mats
- Bowl for the counters

Procedure:

1. Print and laminate the mats.
2. Place the mats and the farm animal counters on a table.
3. Students count the number of farm animals and add to the mat. Next, add the correct number card if desired.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The students will notice and extend simple patterns.
- The students will arrange objects into a series.
- The students will notice and extend simple patterns.



Farm Counters #5

Patterning

Algebra begins with a search for patterns. Being able to identify patterns allows young children to make generalizations and predictions beyond the information directly available.

Recommended Supplies:

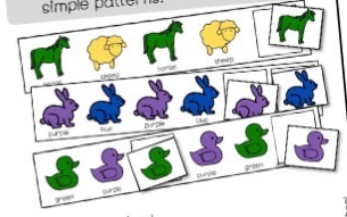
- Farm animal counters
- If the counters are not available, cut apart the included farm cards
- Patterning mats
- Bowl for counters

Procedure:

1. Print the pattern cards, mat, out apart and laminate as desired.
2. Place the patterning mats on a table with a bowl of farm animal counters.
3. Students identify the pattern and extend it by placing the next correct piece.
4. Blank pattern cards are also included for students to explore making their own, unique patterns.

Learning Objectives:

- The students will notice and extend simple patterns.
- The students will arrange objects into a series.
- The students will notice and extend simple patterns.



Bug Counters

Introduction

The centers in this pack are to be used with Bug counters.

- sorting
- patterning
- grid game
- counting
- addition



Bug Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

- Bug counters
- <https://www.learningresources.com/item-backward-buskin-counters-set-of-72>
- If the counters are not available, cut apart the included bug cards.
- Muffin pan or sorting tray
- https://www.lakeshorelearning.com/products/math/ortling-patterning/light-table-sorting-tray/p/1_0644

Procedure:

1. Print, out, and laminate the sorting circles.
2. Place them in the bottom of a muffin pan or a sorting tray from Lakeshore Learning.
3. Print, out, and mat the bug signs. Display at the sorting center.
4. Place a bowl of counters next to the sorting circles. Students sort the pieces by type or color.

Learning Objectives:

- The students will recognize property.
- The students will identify objects by size, shape, and color.



Bug Counters #2

Patterning

Algebra begins with a search for patterns. Being able to identify patterns allows young children to make generalizations and predictions beyond the information directly available.

Recommended Supplies:

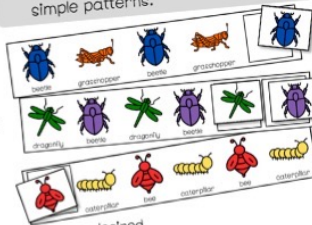
- Bug counters
- If the counters are not available, cut apart the included bug cards.
- Patterning mats
- Bowl for counters

Procedure:

1. Print the pattern cards, mat, out apart and laminate as desired.
2. Place the patterning mats on a table with a bowl of bug counters.
3. Students identify the pattern and extend it by placing the next correct piece.
4. Blank pattern cards are also included for students to explore making their own, unique patterns.

Learning Objectives:

- The students will arrange objects into a series.
- The students will notice and extend simple patterns.



Bug Counters #3

Grid Game

The recognition and analysis of patterns are important components of a child's intellectual development.

Recommended Supplies:

- Bug counters
- If the counters are not available, cut apart the included bug cards.
- Printed grid
- Bowl for the counters

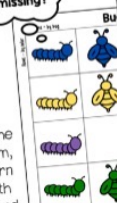
Procedure:

1. Print and laminate a couple of grids. Place them at the center with a bowl of bug counters.
2. Students work with a partner to create a grid on the paper graph where each column has the same item, paper graph where each column has the same item, and each row is the same color. Discuss the pattern and relationship of the counters. Students work with their partner and take turns removing a counter and having the other student guess which one (color and type) is missing based on their knowledge of patterns.

Learning Objectives:

- The student will recognize simple patterns.
- The students will identify objects into a series.

Which one is missing?



Bug Counters #4

Counting

To develop an understanding of numbers and number sense, children must have daily experiences where they compare numbers and count in ways that are personally meaningful and challenging.

Recommended Supplies:

- Bug counters
- If the counters are not available, cut apart the included bug cards.
- Counting mats
- Bowl for the counters

Procedure:

1. Print and laminate the counting mats and numbers.
2. Place mats, numbers, and counters on a table.
3. The students will pick a number card and place the appropriate type and number of bugs on the counting mat.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The student will recognize combinations of each set.
- The students will identify objects into a series.



Bug Counters #5

Addition

Meaningful play with one-to-one correspondence is an important part of early mathematical development.

Recommended Supplies:

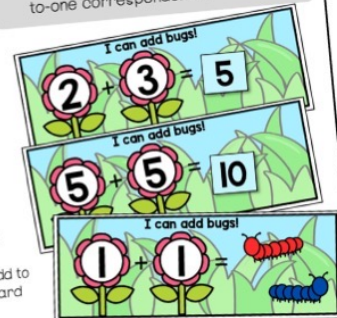
- Bug counters
- If the counters are not available, cut apart the included bug cards.
- Counting mats
- Bowl for counters

Procedure:

1. Print and laminate the mats.
2. Place the mats and the bug counters on a table.
3. Students count the number of bugs and add to the mat. Next, add the correct number card if desired.
4. Alternatively, students can write the number on the mat with a dry erase marker.

Learning Objectives:

- The students will recognize numbers.
- The students will demonstrate one-to-one correspondence.



Ocean Counters

Introduction

The centers in this pack are to be used with Ocean counters.

- sorting
- patterning
- grid game
- graphing
- Counting mats



Ocean Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

- Ocean counters
- <https://www.teachingresources.com/item/under-the-sea-ocean-counters-9492>
- If the counters are not available, cut apart the included ocean cards.
- Muffin pan or sorting tray
- https://www.lakeshorelearning.com/products/math/sorting-patterning/print-table-sorting-tray/p/1_0691

Procedure:

1. Print, cut, and laminate the sorting circles.
2. Place them in the bottom of a muffin pan or a sorting tray from Lakeshore Learning.
3. Print, out, and mat the ocean animal signs. Display at the sorting center.
4. Place a bowl of counters next to the sorting circles. Students sort the pieces by animal or color.

Learning Objectives:

- The students (number, size, etc.)
- The students property. (size)



Ocean Counters #2

Patterning

Algebra begins with a search for patterns. Being able to identify patterns allows young children to make generalizations and predictions beyond the information directly available.

Recommended Supplies:

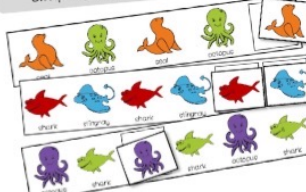
- Ocean counters
- If the counters are not available, cut apart the included ocean cards.
- Patterning mats
- Bowl for counters

Procedure:

1. Print the pattern cards, mat, out apart and laminate as desired.
2. Place the patterning mats on a table with a bowl of ocean animal counters.
3. Students identify the pattern and extend it by placing the next correct piece.
4. Blank pattern cards are also included for students to explore making their own, unique patterns.

Learning Objectives:

- The students will arrange objects into a series.
- The students will notice and extend simple patterns.



Ocean Counters #3

Grid Game

The recognition and analysis of patterns are important components of a child's intellectual development.

Recommended Supplies:

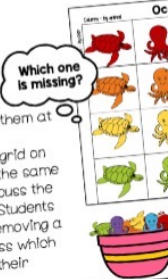
- Ocean counters
- If the counters are not available, cut apart the included ocean cards
- Printed grid
- Bowl for the counters

Procedure:

1. Print and laminate a couple of grids. Place them at the center with a bowl of ocean counters.
2. Students work with a partner to create a grid on the paper graph where each column has the same item, and each row is the same color. Discuss the pattern and relationship of the counters. Students work with their partner and take turns removing a counter and having the other student guess which one (color and type) is missing based on their knowledge of patterns.

Learning Objectives:

- The student will simple patterns.
- The students will into a series.



Ocean Counters #4

Graphing

Analyzing data is a key step in making sense of information and the world around us.

Recommended Supplies:

- Ocean Counters
- If the counters are not available, cut apart the included ocean cards
- Graphs and dice

Procedure:

1. Print and laminate the graphs and dice pages.
2. Assemble the dice per the directions on the dice page.
3. Decide whether the student will graph by animal or color. If graphing by number dice and animal dice at the center with a bowl of counters at the center, place the number dice and the color dice page. If graphing by color, place the counters with the Color Graphing page.
4. The students roll the two dice and place that many counters in the corresponding color or animal.
5. After 4 rolls, the student counts how many ocean counters are in each category and records the number on the accompanying recording sheet.

Learning Objectives:

- The students will with curiosity.
- The students will property. (size, color)



Ocean Counters #5

Counting Mats

To develop an understanding of numbers and number sense, children must have daily experiences where they compare numbers and count in ways that are personally meaningful and challenging.

Recommended Supplies:

- Ocean counters
- If the counters are not available, cut apart the included ocean cards
- Number cards and ocean mat or simply a blue piece of construction paper or tray.

Procedure:

1. Print, mat, out, and laminate the ocean mat and numbers.
2. Place the number cards in a pile and contain the counters in a bowl.
3. The students will choose a number from the pile and lay it on the ocean mat. The student counts that many ocean counters and places them on the ocean mat.

Learning Objectives:

- The students will demonstrate one-to-one correspondence.
- The student will count sets and make combinations of objects to create each set.



Fruit Counters

Introduction

The centers in this pack are to be used with Fruit counters.

- sorting
- computation
- comparing
- bingo
- graphing



Fruit Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Recommended Supplies:

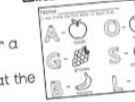
- Fruit counters
- <https://www.learningresources.com/item-fruit-counter-counters-set-of-100>
- If the counters are not available, cut apart the included fruit cards.
- Muffin pan or sorting tray
- <https://www.theguesthouselearning.com/products/math-sorting-pat-termina/fruit-table-sorting-tray.html?G291>

Procedure:

1. Print, out, and laminate the sorting circles.
2. Place them in the bottom of a muffin pan or a sorting tray from Lakeshore Learning.
3. Print, out, and mat the fruit signs. Display at the sorting center.
4. Place a bowl of counters next to the sorting circles. Students sort the pieces by type or color.

Learning Objectives:

- The students will understand property.
- The students will understand size, shape, and color.



Fruit Counters #2

Computation

Building on counting skills, computation involves combining and separating groups of objects as a precursor to addition and subtraction.

Recommended Supplies:

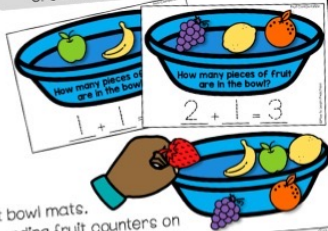
- Fruit counters
- If the counters are not available, cut apart the included fruit cards.
- Counting mats
- Bowl for counters

Procedure:

1. Print, laminate, and cut apart the fruit bowl mats.
2. Students select a card, place corresponding fruit counters on the mat, then trace the addition sentence in dry-erase marker. Be sure to only use the level of cards appropriate for your students.
3. Alternatively, provide a small plastic bowl along with the fruit bowl mats. Students recreate the picture using the counters and plastic bowl.

Learning Objectives:

- The students will count sets to 5 and 10 and make combinations to create each set.



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Fruit Counters #3

Comparing

Comparing in ways that are personally meaningful and challenging is an essential early math skill. Hands-on experience and practice in vocabulary are needed to accurately compare quantities.

Recommended Supplies:

- Fruit counters
- If the counters are not available, cut apart the included fruit cards Hungry Alligator mat
- Bowl for counters

Procedure:

1. Print the poem, work mats, alligators, and numbers. Cut apart the alligators and numbers. Post the poem at the math center.
2. Attach the two sides of the work mat along the shorter edge to create a singular, larger work mat.
3. Place the numbers in a bowl or bag. Students select two numbers, place below the baskets on the work mat. They then place that many counters in the baskets and compare.
4. Students place the corresponding alligator on the mat so it "eats" the larger number.

Learning Objectives:

- The student will understand quantity.



Fruit Counters #4

Bingo

Listening, visual discrimination, and recognizing sequential items are all a part of this playful game.

Recommended Supplies:

- Fruit counters
- If the counters are not available, cut apart the included fruit cards.
- Bingo cards
- Bowl for counters

Procedure:

1. Print the cards and fruit pieces. Cut out the fruit cards, laminate, and place in a bag. *Color and B&W copies of the cards are included.
2. Students each receive 1 bingo card. Provide fruit counter pieces for students to mark their cards.
3. The teacher pulls one fruit card from the bag. Identify the fruit and place in pocket chart to reference.
4. Students mark the fruit on their card with the fruit counter if applicable. Three in a row wins.

Learning Objectives:

- The students will understand differences.
- The students will understand patterns of color.



Fruit Counters #5

Graphing

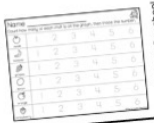
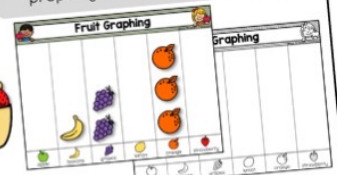
Analyzing data is a key step in making sense of information and the world around us.

Recommended Supplies:

- Fruit Counters
- If the counters are not available, cut apart the included fruit cards
- Graphs and spinners

Procedure:

1. Print and laminate the graphs and spinners.
2. Assemble the spinners per the directions.
3. The student will spin the two spinners and then place that many counters in the column on the graph.
4. After 3 spins, the student counts how many fruit counters are in each column and traces the number on the accompanying recording sheet.



Dinosaur Counters

Introduction

The centers in this pack are to be used with Dinosaur counters.

- sorting
- number mats
- capacity
- addition
- patterning



Dinosaur Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

- Learning Objectives:**
- The students will demonstrate the property of type.
 - The students will demonstrate the property of size, shape, and color.

Recommended Supplies:

- Bug counters <https://www.learningresources.com/Item-back-in-time-dinosaur-counters-4-12/>
- If the counters are not available, cut apart the included dinosaur cards
- Muffin pan or sorting tray
- https://www.lakeshorelearning.com/products/math/sorting-patterning-181-table-sorting-tray/pl_0694
- Color sorting mats

Procedure:

1. Print, out, and laminate the sorting mats. *B&W volcanoes are included to print on colored paper to save ink.
2. Print and cut out the colored circles and dinosaur types. Place the circles in a muffin pan.
4. Students sort the dinosaurs based on type or color.
5. Use the dinosaur dice to play a fun game. Roll the dice and add that dinosaur to the muffin tray. First person to fill the tray wins.



Dinosaur Counters #2

Number Mats

To develop an understanding of numbers and number sense, children must have daily experiences where they compare numbers and count in ways that are personally meaningful and challenging.

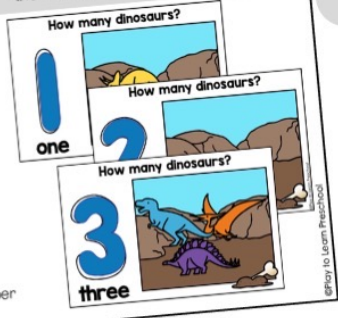
- Learning Objectives:**
- The students will demonstrate one-to-one correspondence.
 - The student will count then create the number with playdoh.

Recommended Supplies:

- Dinosaur counters
- If the counters are not available, cut apart the included dinosaur cards.
- Play dough mats
- Play dough

Procedure:

1. Print, mat, out, and laminate the dinosaur play dough mats.
2. Place the dinosaur counters in a bowl.
3. The students will choose a play dough mat, then add the correct number of dinosaur counters to the mat. Lastly, make the number out of play dough.



Dinosaur Counters #3

Capacity

Meaningful play with non-traditional units of measure is an important part of early mathematic development.

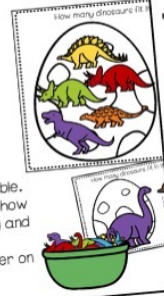
- Learning Objectives:**
- The students will demonstrate measurement with non-traditional units.
 - The students will demonstrate one-to-one correspondence.

Recommended Supplies:

- Dinosaur counters
- If the counters are not available, cut apart the included dinosaur cards.
- Bowl for the counters
- Measurement mats

Procedure:

1. Print and laminate the dinosaur mats and numbers.
2. Place mats, numbers, and counters on a table.
3. The students will choose a mat, then count how many dinosaurs of any type fit in each egg and put the number in the box.
4. Alternatively, students can write the number on the mat with a dry erase marker.



Dinosaur Counters #4

Addition

Meaningful play with one-to-one correspondence is an important part of early mathematic development.

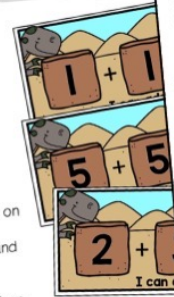
- Learning Objectives:**
- The students will demonstrate one-to-one correspondence.
 - The students will demonstrate addition.

Recommended Supplies:

- Dinosaur counters
- If the counters are not available, cut apart the included dinosaur cards
- Counting mats
- Bowl for counters

Procedure:

1. Print and laminate the mats.
2. Place the mats and the dinosaur counters on a table.
3. Students count the number of dinosaurs and add to the mat. Next, add the correct number card if desired.
4. Alternatively, students can write the number on the mat with a dry erase marker.



Dinosaur Counters #5

Patterning

Algebra begins with a search for patterns. Being able to identify patterns allows young children to make generalizations and predictions beyond the information directly available.

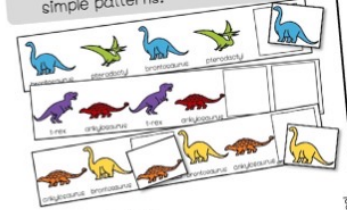
- Learning Objectives:**
- The students will arrange objects into a series.
 - The students will notice and extend simple patterns.

Recommended Supplies:

- Dinosaur counters
- If the counters are not available, cut apart the included dinosaur cards
- Patterning mats
- Bowl for counters

Procedure:

1. Print the pattern cards, mat, out apart and laminate as desired.
2. Place the patterning mats on a table with a bowl of dinosaur counters.
3. Students identify the pattern and extend it by placing the next correct piece.
4. Blank pattern cards are also included for students to explore making their own, unique patterns.



Transportation Counters

Introduction

The centers in this pack are to be used with Transportation counters.

- sorting
- patterning
- grid game
- counting
- graphing



Transportation Counters #1

Sorting

Providing children with objects to sort by attribute helps them to recognize and search for patterns in their everyday environment.

Learning Objectives:


- The students will sort by property. (shape)
- The students will sort by size, shape or color.

Recommended Supplies:

- Transportation counters
- <https://www.learningresources.com/item-mini-motors-counters-set-of-72>
- If the counters are not available, cut apart the included transportation cards.
- Color sorting mats
- Bowl for the counters

Procedure:

1. Print, cut, and laminate the sorting mats.
- Vehicle garages along with color and B&W roads are included. B&W roads can be printed on colored paper to save ink. Choose the mats that are most appropriate for your students.
2. Place the sorting mats on a table beside the counters.
3. Print, cut, and mat the vehicle signs. Display at the sorting center for students to reference.
4. Students sort the vehicles based on type or color.



Transportation Counters #2

Patterning

Algebra begins with a search for patterns. Being able to identify patterns allows young children to make generalizations and predictions beyond the information directly available.

Learning Objectives:

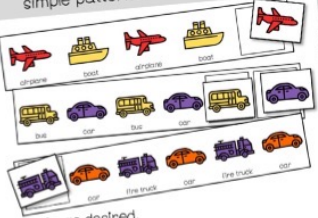
- The students will arrange objects into a series.
- The students will notice and extend simple patterns.

Recommended Supplies:

- Transportation counters
- If the counters are not available, cut apart the included transportation cards
- Patterning mats
- Bowl for counters

Procedure:

1. Print the pattern cards, mat, out apart and laminate as desired.
2. Place the patterning mats on a table with a bowl of transportation counters.
3. Students identify the pattern and extend it by placing the next correct piece.
4. Blank pattern cards are also included for students to explore making their own, unique patterns.



Transportation Counters #3

Grid Game

The recognition and analysis of patterns are important components of a child's intellectual development.

Learning Objectives:

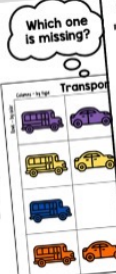
- The student will identify simple patterns.
- The student will extend a pattern into a series.

Recommended Supplies:

- Transportation counters
- If the counters are not available, cut apart the included transportation cards.
- Printed grid
- Bowl for the counters

Procedure:

1. Print and laminate a couple of grids. Place them at the center with a bowl of transportation counters.
2. Students work with a partner to create a grid on the paper graph where each column has the same item, and each row is the same color. Discuss the pattern and relationship of the counters.
3. Students work with their partner and take turns removing a counter and having the other student guess which one (color and type) is missing based on their knowledge of patterns.



Transportation Counters #4

Counting

Meaningful play with one-to-one correspondence is an important part of early mathematic development.

Learning Objectives:


- The students will use one-to-one correspondence.
- The students will use one-to-one correspondence to count.

Recommended Supplies:

- Transportation counters
- If the counters are not available, cut apart the included transportation cards.
- Counting mats
- Bowl for the counters

Procedure:

1. Print and laminate the mats.
2. Assemble the spinners as shown in the directions on the following page.
3. The students will spin the spinner and place the appropriate number of vehicles on the corresponding mat.



Transportation Counters #5

Graphing

Analyzing data is a key step in making sense of information and the world around us.

Learning Objectives:

- The students will sort objects by property.
- The students will use descriptive language to compare data.

Recommended Supplies:

- Transportation counters
- If the counters are not available, cut apart the included transportation cards.
- Dice
- Paper bag
- Graphing pages

Procedure:

1. Print and laminate the graph. (Color and B&W included) Put transportation counters in a bag for students to select at random.
2. The student rolls a die, picks that many counters out of a bag, and then place those counters in the appropriate column on the graph.
3. After 3 rolls, the student counts how many vehicle counters are in each column and traces the number on the accompanying recording sheet.

