



Young Mathematicians Program Alignment to HEAD START Learning Outcomes



Dot Cards

Game	Head Start Early Learning Outcomes
<u>Dot Card Color Sort</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set.
<u>Quick Images</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set.
<u>Can You Find?</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities.
<u>Match the Dots</u>	P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities.
<u>More, Less, Same</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities. P-Math 4. Child compares numbers.
<u>Hungry Numbers</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities.
<u>Make 5!</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.
<u>Make 10!</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.
<u>Make 15!</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.
<u>Which One Doesn't Belong?</u>	P-Math 2. Child recognizes the number of objects in a small set. P-Math 4. Child compares numbers.
<u>Top It!</u>	P-Math 1. Child knows number names and the count sequence. P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities. P-Math 4. Child compares numbers.
<u>Dot Memory</u>	P-Math 2. Child recognizes the number of objects in a small set. P-Math 3. Child understands the relationship between numbers and quantities.

Cards & Dice

Game	Head Start Early Learning Outcomes
<u>Explore Number One</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p>
<u>What's the Missing Card?</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p>
<u>Hidden Card (X-Ray Vision Game)</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p>
<u>Roll One 1 to 6</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>Roll Two 1 to 6</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>Roll Two 1 to 12</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>Count and See Board Game</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>

Fingers and Counters

Game	Head Start Early Learning Outcomes
<u>Numbers, Numbers, 1, 2, 3</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p>
<u>Counting Together</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p>
<u>Copy My Dots</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p>
<u>Number Clap</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p>
<u>Make 5! with Fingers</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>More, Less, Same with Fingers</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 4. Child compares numbers.</p>
<u>How Many are Hiding? with Fingers</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>How Many are Hiding? with Counters</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>

Movement

Game	Head Start Early Learning Outcomes
<u>Jumping on the Lily Pads</u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 4. Child compares numbers.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 6. Child understands addition as adding to and understands subtraction as taking away from.</p>
<u>Obstacle Course Part 1: Spatial Words</u>	P-Math 10. Child explores the positions of objects in space.
<u>Obstacle Course Part 2: The Course</u>	P-Math 10. Child explores the positions of objects in space.
<u>Obstacle Course Part 3: The Map</u>	P-Math 10. Child explores the positions of objects in space.
<u>Shape Dance</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Shape Hunt</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Dance Patterns</u>	P-Math 7. Child understands simple patterns.

Pattern & Sorting

Game	Head Start Early Learning Outcomes
<u>Yes/No Sort</u>	P-Math 8. Child measure objects by their various attributes using standard and non-standard measurement. Uses differences in attributes to make comparisons.
<u>Mystery Rule</u>	P-Math 8. Child measure objects by their various attributes using standard and non-standard measurement. Uses differences in attributes to make comparisons.
<u>Copy My Pattern</u>	P-Math 7. Child understands simple patterns.
<u>Caterpillars & Crafts</u>	P-Math 7. Child understands simple patterns.
<u>Dance Patterns</u>	P-Math 7. Child understands simple patterns.
<u>What's Missing</u>	P-Math 7. Child understands simple patterns.
<u>Extend the Pattern</u>	P-Math 7. Child understands simple patterns.
<u>Same Rule, Different Stuff</u>	P-Math 7. Child understands simple patterns.
<u>Make It From Memory</u>	P-Math 7. Child understands simple patterns.

Shapes & Puzzles

Game	Head Start Early Learning Outcomes
<u>Exact Match</u>	P-Math 8. Child measure objects by their various attributes using standard and non-standard measurement. Uses differences in attributes to make comparisons.
<u>Feel for Shapes</u>	P-Math 8. Child measure objects by their various attributes using standard and non-standard measurement. Uses differences in attributes to make comparisons. P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Puzzles with Pattern Blocks: Set 1, 2, 3</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Shape Bingo</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Shape Dance</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Shape Hunt</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Same But Different</u>	P-Math 8. Child measure objects by their various attributes using standard and non-standard measurement. Uses differences in attributes to make comparisons. P-Math 9. Child identifies, describes, compares, and composes shapes.
<u>Which One Doesn't Belong</u>	P-Math 9. Child identifies, describes, compares, and composes shapes.

Shape Cards

Game	Head Start Early Learning Outcomes
<u><i>Line 'Em Up</i></u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p>
<u><i>Go Fish! with Shape Cards</i></u>	<p>P-Math 9. Child identifies, describes, compares, and composes shapes.</p>
<u><i>Top It! with Shape cards</i></u>	<p>P-Math 1. Child knows number names and the count sequence.</p> <p>P-Math 2. Child recognizes the number of objects in a small set.</p> <p>P-Math 3. Child understands the relationship between numbers and quantities.</p> <p>P-Math 4. Child compares numbers.</p>
<u><i>Snap!</i></u>	<p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 9. Child identifies, describes, compares, and composes shapes.</p>
<u><i>Wild Shapes</i></u>	<p>P-Math 5. Child associates a quantity with written numerals up to 5 and begins to write numbers.</p> <p>P-Math 9. Child identifies, describes, compares, and composes shapes.</p>