



Building School Readiness with Statistics

Peter Stowasser

Senior Author

p_stowasser@origo.com.au

Rosemary Irons

Mathematics Consultant

mathmates@ozemail.com.au

Early Childhood Language for Probability and Statistics

Data/Statistics

yes and no chart/graph
picture graph/table
information
data
tally/tallies
count and compare data
vote
favourite
grid
graph
more
most
less
fewer
least

Probability

chance
likely
not likely
possible
not possible
will happen
might happen
never
always
sometimes
heads
tails
spins the spinner
predict

Yes and No Questions

Resource

- Yes or No graph made of vinyl or
- Heavy card with a pocket on top for the question card and two pockets on the bottom for the yes or no cards.
- Wooden clamp clothespins, individual child's name written on each side of the clothespin
- Container for the clothespins



Learning Experience

Every or every other day, present a question on the Yes or No graph. For the first few days, present the graph together so the children know to look at the question each day as they enter the early childhood environment.

Start with simple words, as some children will be able to read the questions. A picture near the question card can support beginning readers. As children enter each day, they look at the graph and read the question. They find their clothespin and place it on the side that has the word that matches their answer to the question.

Late in the day, the children and you can interpret the graph. This allows for description and discussion of the results for the day's question.

The questions as suggestions are listed according to themes. Create your own questions to suit current happenings and the interests of the children.

Animals and Pets

Do you have a cat?

Do you have a guinea pig?

Do you have a dog?

Do you have a fish?

Do you go fishing?

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Family

Do you have a brother?

Do you have a sister?

Are you the oldest child in your family?

Are you the youngest child?

Do you have a brother or sister in Grade 3?

Is there a computer in your house?

Do you have toy trucks at your house?

Did you go for a swim after school?

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Entertainment

- Do you like Shrek?
- Do you like to go to movies?
- Did you go to the movies on the weekend?
- Have you visited a zoo?
- Have you visited an Art Gallery?
- Do you have a Nintendo?
- Do you have a Wii?
- Did you watch TV this morning?
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Food Science

- Did you have eggs for breakfast?
- Have you ever made toast?
- Do you like peanut butter on toast?
- Do you like peas?
- Do you like vegetables?
- Have you helped make cookies?
- Do you like chocolate-chip cookies?
- Do you like chocolate milk?
- Do you like orange juice?
- Is there an apple in your lunch?
- Do you like pickles?
- Can you make a sandwich?
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Nature and Science

- Have you ever caught a ladybug?
- Have you collected shells at the beach?
- Have you planted a flower?
- Do you grow vegetables at home?
- Can a magnet attract a feather?
- Can a magnet attract a scissors?
- Have you ever hugged a tree?
- Could a milk bottle top float or sink?
(change yes or no cards to float and sink)
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Knowledge of Colors

- Do you like the color (red)?
(Change the color each day)
- Can you name something (red)?
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General

- Do you like to play in the rain?
- Do you like to paint?
- Do you like to go shopping?
- Do you like dinosaurs?
- Have you ever worn a clown hat?
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Number

Can you count to 20?

(change the number for your age group of children)

Are you 5 years of age?

Are you 6 years of age?

Does your house have a (5) in its number?

(change the number)

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Personal Traits and Skills

Can you tie your shoestrings?

Can you kick a ball?

Can you catch a ball?

Have you ever had a broken (arm)?

Have you ever had stitches?

Have you ever had a shot at the doctor's office?

Can you skip?

Can you hop on one foot for 5 hops?

Do you wear sunglasses?

Do you know the alphabet?

Can you say your home address?

Do you like to work with a computer?

Did you walk to school today?

Did someone drive you to school today?

Did you come to school by bus?

Can you ride a bike?

Can you swim?

Can you jump rope for five jumps?

Does your first name begin with A, B, or C?

(change the three letters for other name questions)

Does your last name begin with A, B, or C?

(change the three letters for other name questions)

Can you write your name neatly?

Did you get up after the sun is up?

Can you draw a triangle?

(change to different geometric shapes)

Have you had a ride in an ambulance?

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