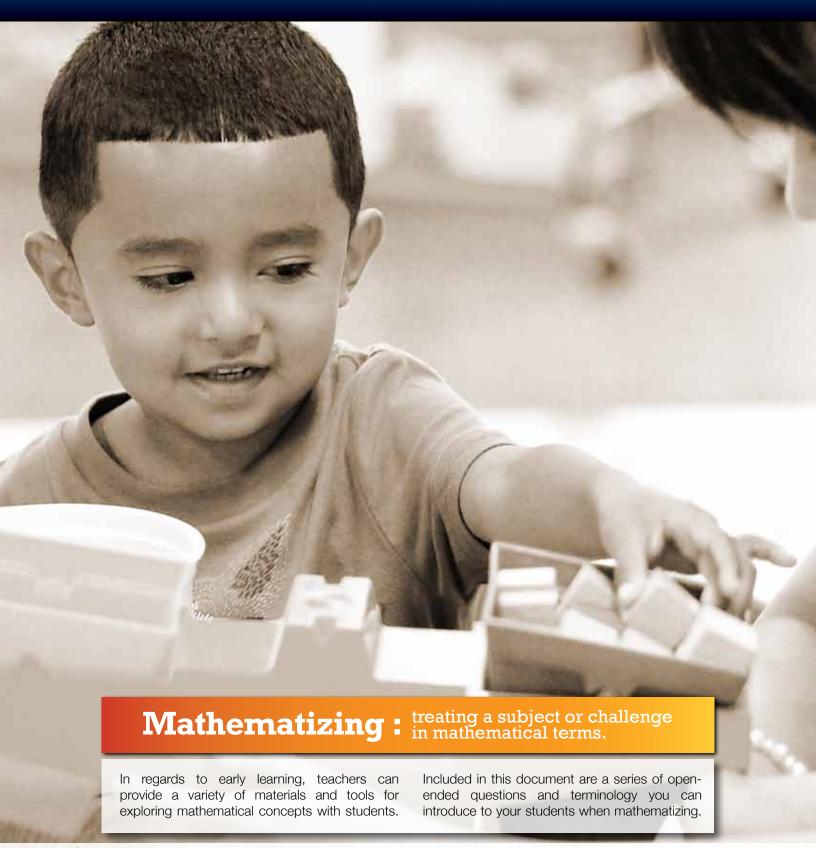
# **⊌** LAUP Classroom Resources:

# **Mathematizing Made Easy**

Open-Ended Questions | Advanced Language & Vocabulary





# Mathematizing Made Easy - Open-Ended Questions



# Exploring Shapes & Space

- Where have you seen this shape before?
- Can you find something like this in the classroom?
- How did you decide to use a triangle for the roof?
- Do you think this shape would roll? Why/why not?

- How could we stack these?
- Tell me about what you built with the blocks.
   I'm going to draw a map of it without looking. Tell me what it looks like and what I should put where.
- Can you tell me how to get to the\_\_\_\_\_ from here?

#### **Prediction & Estimation**



- How many more blocks will you need?
- How many balls do you think will fit in the jar?
- How tall will your structure be?
- How many cups will we need for snack time?
- How many steps to get to the playground?

- Which cup will hold the most sand? How do you know?
- How many times can you bounce a balloon in the air before it touches the ground?
- Which shape will be used most often?

#### **Exploring Patterns**

- What do you think is going to happen first? Next?
- Do you see a pattern?
   Tell me about it.
- How could we make this pattern with these different materials?
- How could we make a different pattern?

- Can you draw your pattern? What will you do first?
- How did the pattern change?
   Did something happen that made it change?
   Do you think it will change again?

### Investigation & Reasoning

- How did you decide to do that first?
- How do you know?
- Why do you think...?
- Can you tell me more?
- What else can you find that works like this?

- What would happen if..?
- I wonder how this could be changed?
- What would the pattern be?
- What if ...?
- I wonder why...?

### Exploring Position & Space

high/medium/low right/left inside/outside
around between here/there
on/off front/back/side in/out
above/below middle start/end
over/under far/near in front/behind

up/down

### Counting & Comparing

- How many of each kind?
- How are these alike/different?
- Which is taller/shorter/longer?
- Which is bigger/smaller?

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- Which has more/fewer?
- How many do you see?



through

# Mathematizing Made Easy: Advanced Language & Vocabulary

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### Measuring & Comparing

longer/shorter twice as many heavier/lighter greater/less than

higher/lower faster/slower

wider/narrower

warmer/cooler

bigger/smaller

wide/narrow

curved/straight

more/fewer than

taller/shorter

holds more/less

just as many

same/different

### Time & Force

slow/fast sudden/smooth

heavy/light strong/weak

### Joining & Separating

put together

total

are left

tense/loose

in all

circle

square

star

diamond

take away

remove

0

# **Verification & Probability**

check

correct

agree

disagree

sure/unsure

likely/unlikely

maybe

impossible

#### Prediction, Cause & Effect

could happen

might happen

because

since

# Math Terminology 1

hexagon pattern

trapezoid triangle

cube

predict

rectangle sphere (ball)

oval cone

pyramid

number

()

measure symmetry

problem

estimate

sort

### Math Terminology 2

map

quarter

year one

match group

dollar clock

minute

month

two

half

hour

three

four

penny

dime

day

nickel

