

Wyomissing Area K-8 Math Needs Analysis

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Reading PA

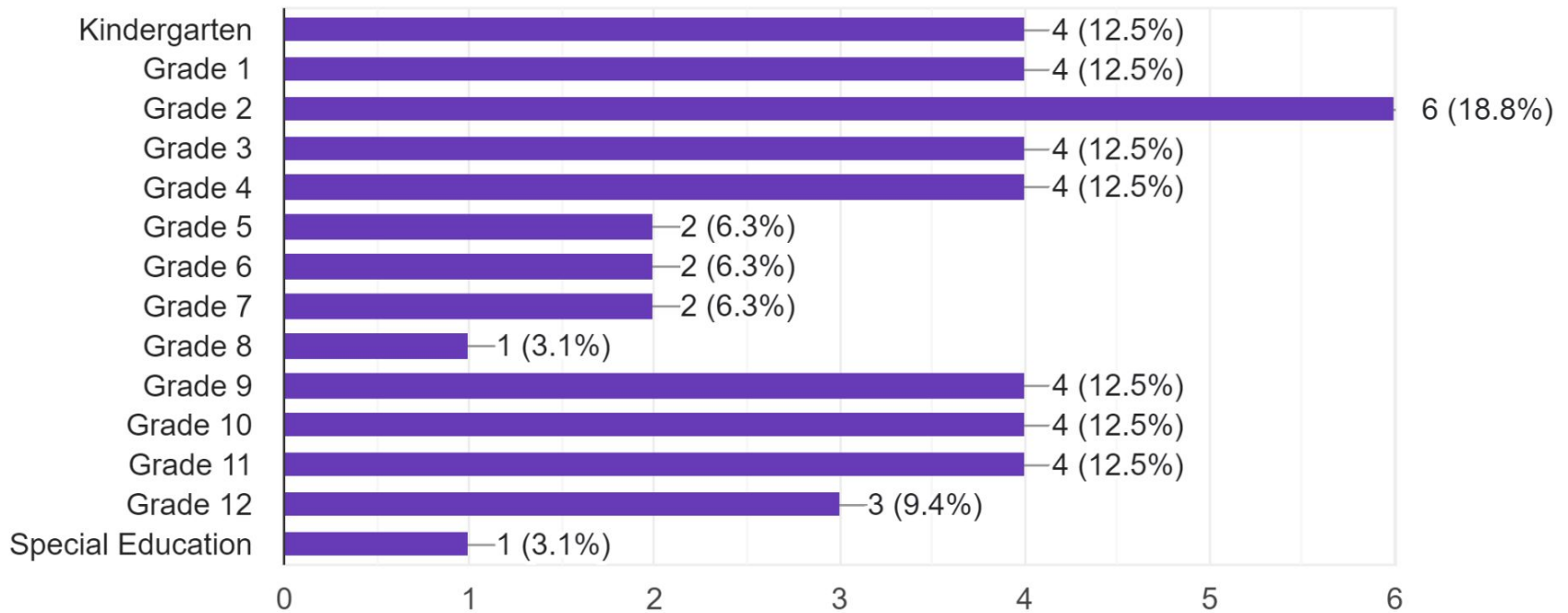
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Grade Levels

What grade level or grade levels do you instruct for mathematics?

32 responses



Eureka Squared/Alg I/II Strengths

Incorporates Problem-Solving

Embraces and Expects Collaboration

Promotes Critical and High Order Thinking

Develops Number Sense

OER (Open Ed Resources) provide rigor and
balance

Eureka Squared/Alg I/II Weaknesses

Fact Fluency

Assumes Knowledge on Time/Money/Base 10

Assessments

Does Not Work on an Ipad

Not Enough Practice

Supplemental Resources

IXL

Quizzizz

Dreambox

Quizlet

Geogebra

Study Island

XtraMath

Freckle

Desmos

T Pay Teachers

Manipulatives

Zearn

Assessments

IXL

Dreambox

Geogebra

XtraMath

Warm-up

Eureka Squared

Teacher Made

Study Island

Exit Tickets

Weaknesses of the Assessments

Time Long vs Short

Procedural not

Performance-Based

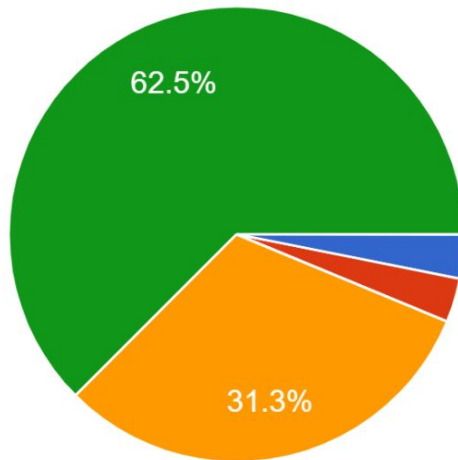
Assesses Strategies not Skills

Not Enough Space

Math Data

Please rate your level of comfortability with math student data:

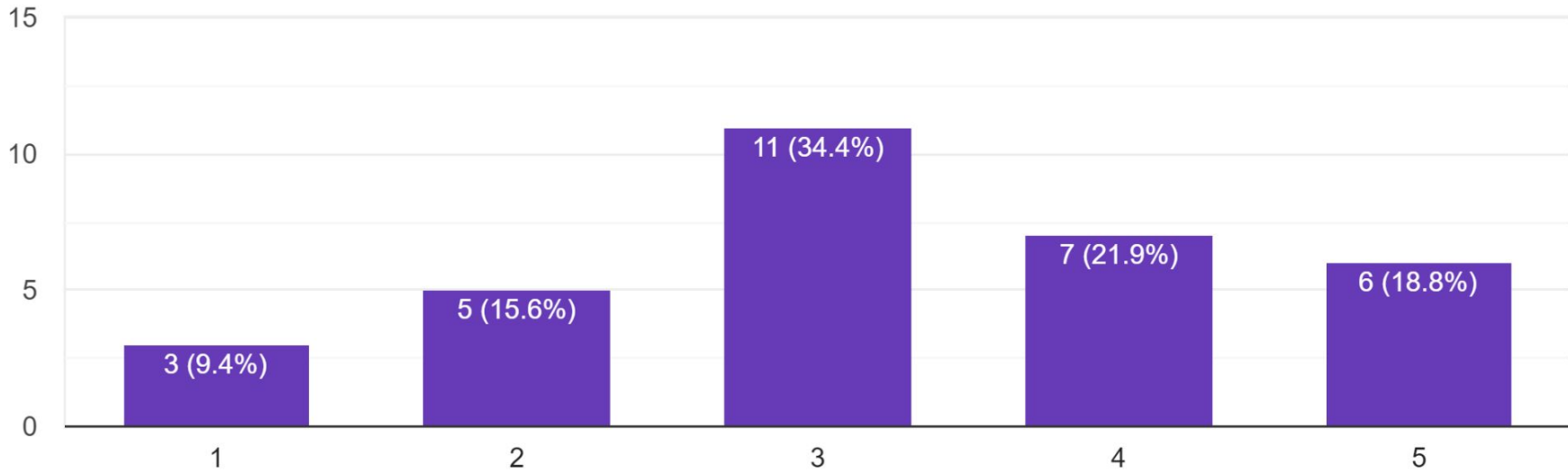
32 responses



- I am aware but do not look at math student data
- I look at math student data but I know what students need based off previous years
- I look at math student data and use it for whole class instruction
- I look at math student data and use it to differentiate instruction for groups of students

Small Group Instruction

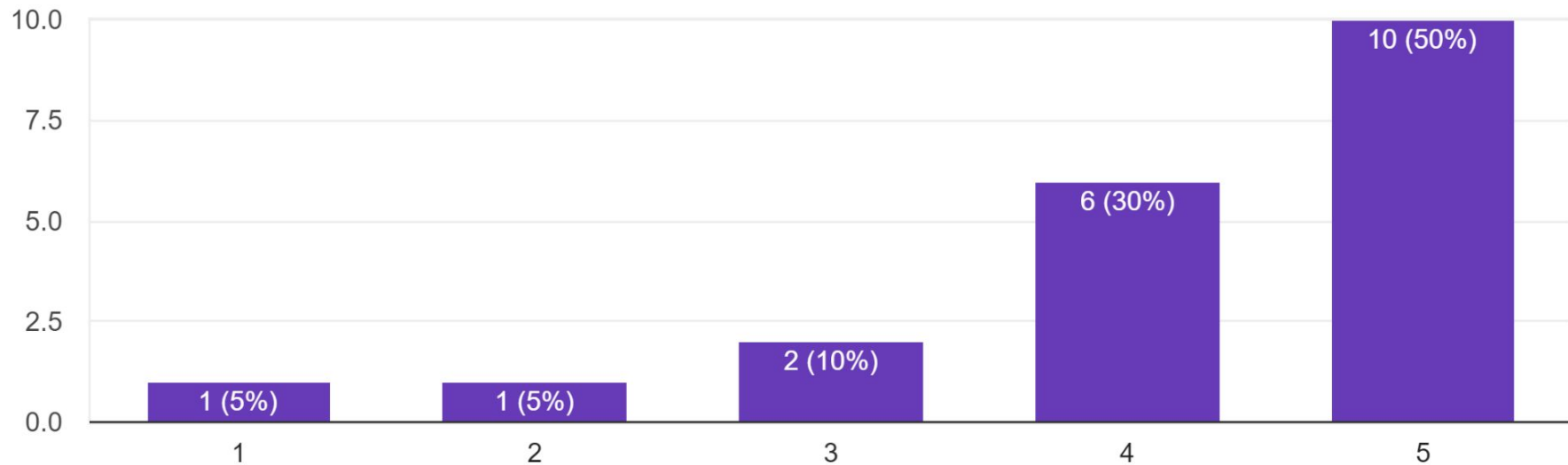
Please answer the statement below related to the implementation of small groups in math class
32 responses



PSSA Awareness Expectations

Please answer the statement below related to expectations of the PSSA/Keystone (if you are grades K-2, skip the question):

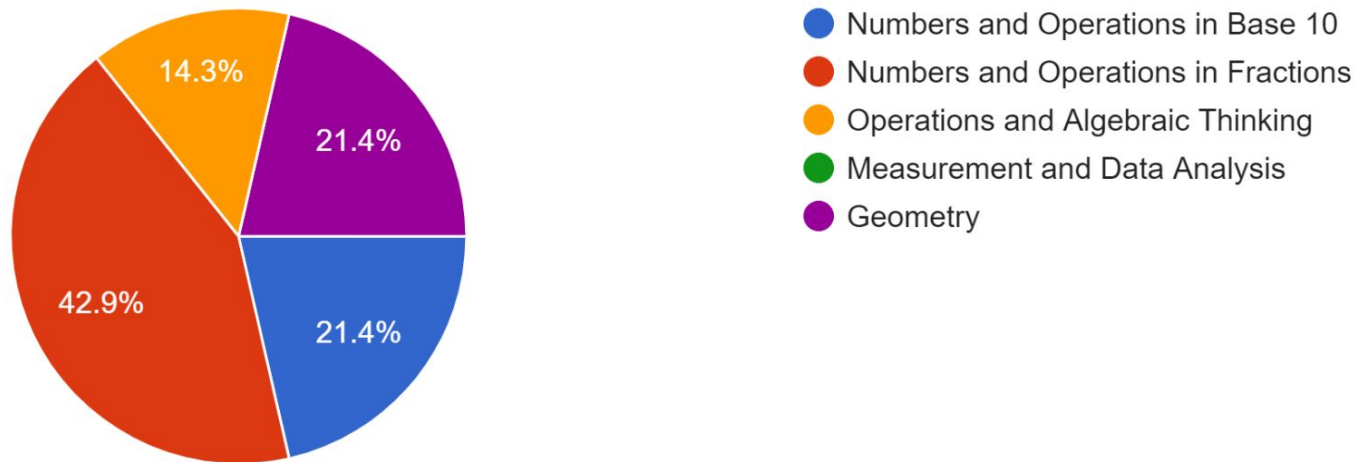
20 responses



PSSA Lowest Category Belief

For PSSA assessed math teachers only: What do you believe is the lowest performing reporting category of your students? (if you are grades K-2, skip the question)

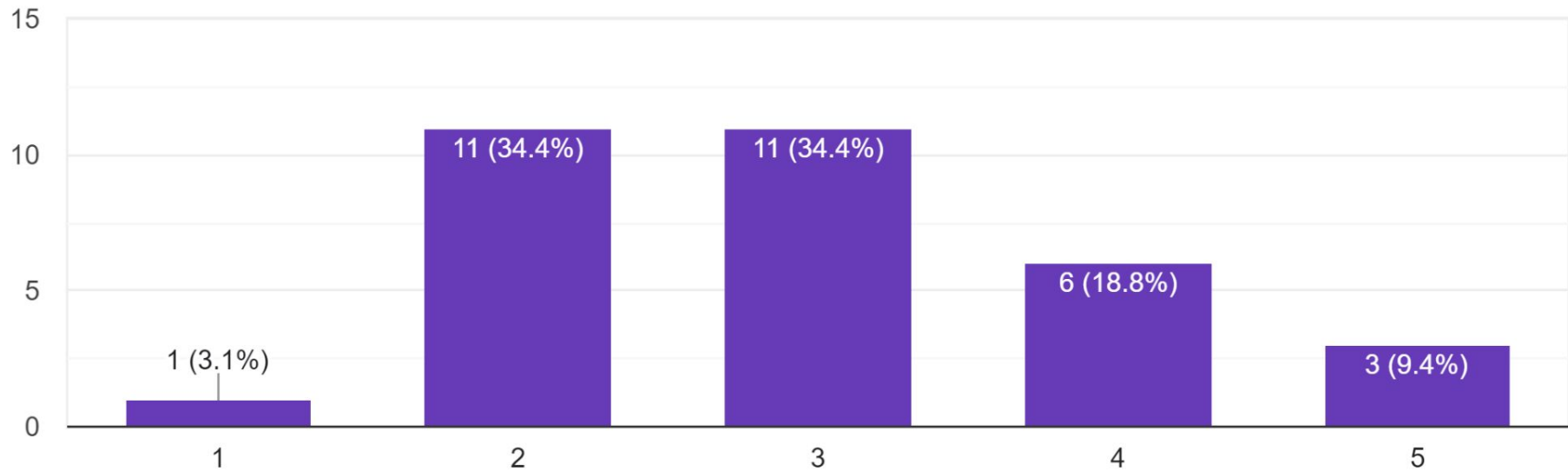
14 responses



Below Grade Level

Awareness of the grade level math expectations below the grade level I teach:

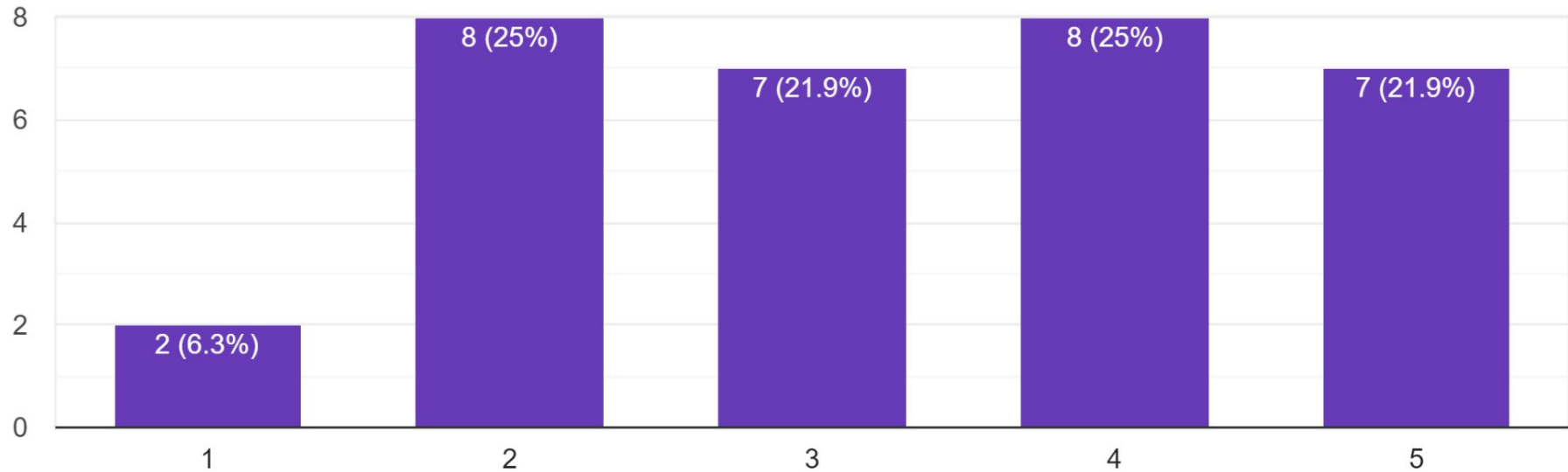
32 responses



Above Grade Level

Awareness of the grade level math expectations above the grade level I teach

32 responses



Lowest Categories in Algebra Belief

Linear Functions

Systems of Equations

Polynomials

Prerequisite Skills Belief

Elem

Place Value

Number Sense

Fact Fluency

Algebra

Analyze Word Problems

Order of Operations

Fractions and Decimals

How is Problem Solving Incorporated

Problem solving is part of the Eureka program, but I also have "Challenge Math Folders" that work on problem solving.

Eureka does a great job of focusing on problem solving, so just using the program. I also work with a number of warm-up questions to add to the program. ixl and Study Island also add to my resources.

I am using the Eureka program, but I feel it is really lacking in problem solving most of the time. We include word problems on our Daily Math Reviews so that students are constantly exposed to and solving a variety of word problems.

Eureka Squared does a great job of putting in opportunities for kids to Think-Pair-Share with peers about problems, but I also include giving various problems to my students as riddles for pages in books that they need to turn to

Having students turn and talk with partners that solved problems differently, having students think out loud through their problem solving process, giving students the answer and having them work backwards, having students explain why a problem is incorrect or does not make sense.

How is Fact Fluency Incorporated

XtraMath

Freckle

Math Games

Dreambox

IXL

99 Math

Delta Math

Teacher Made

Mixed Messages

Math HW Philosophy

Optional

Succinct/ 10-15 minutes

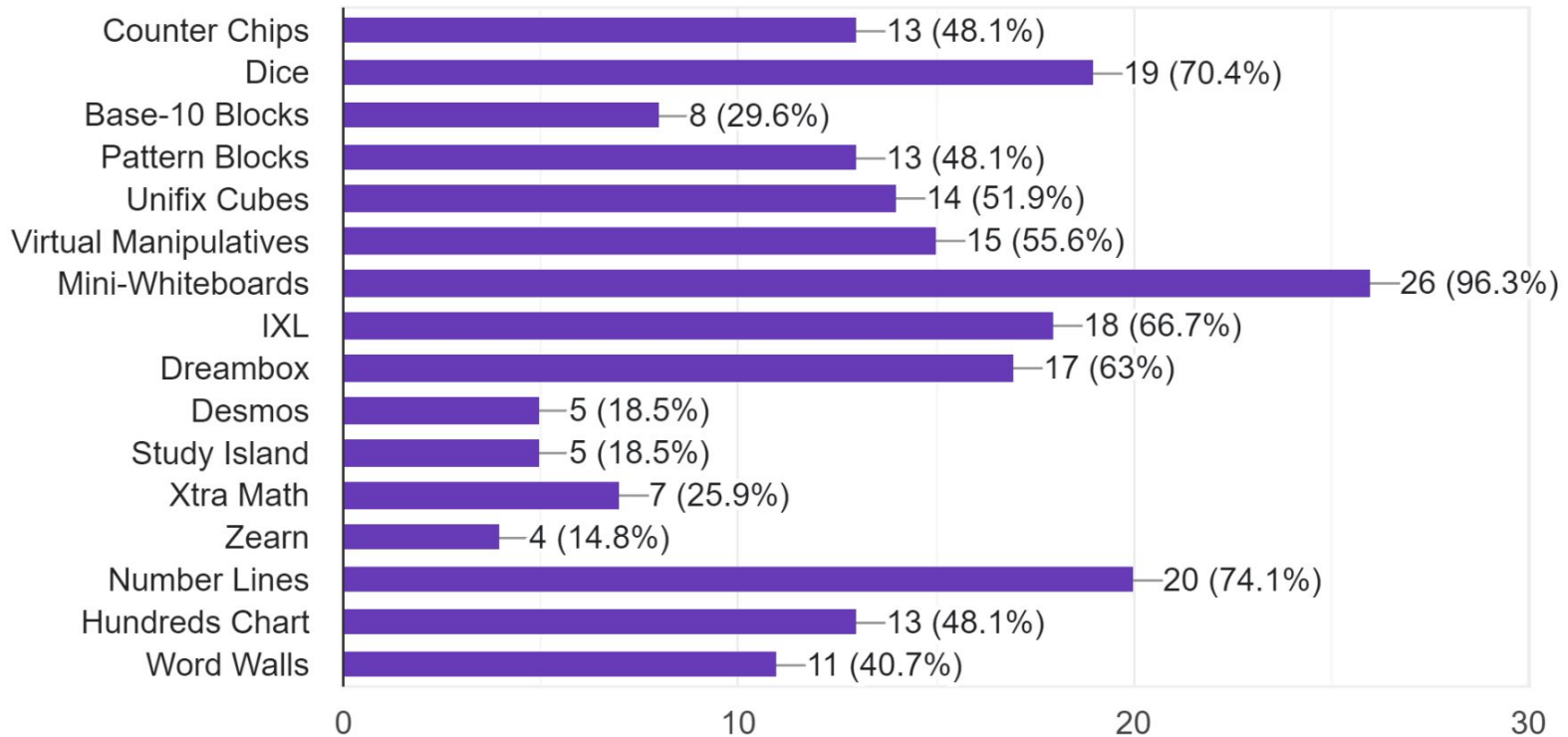
Should be primarily fact fluency

Should Reinforce Instruction

Manipulatives/Resources Used

Please place a check next to all of the manipulatives/resources you use for math teaching.

27 responses



Parent Feedback

Do Not Understand Some of the Strategies

Unable to Help Their Child

More Positive than Previous Years

Would Appreciate Training

Desires

Flexibility with Program/Curriculum

Professional Development

- Small Group/Guided Math
- Eureka Squared
- Time to Plan With Other Grade Levels

Interventions

Time to Create Better
Assessments/Lessons

Comments

Like the New Program

Need Math Intervention

Stop Switching Programs

Teachers Would Like PD on Math

More Time with Teams

Recommendations

PD on Small Group Instruction

Math Data Analysis Application

Continued PD with Eureka Squared

Math Learning Walks to Observe T1 Instruction

- Less Teacher Talk More Student Talk
- Teacher Questioning
- Quantity vs Quality
- Use Better Math Vocabulary
- Provide More Math Models
- Use of Manipulatives both physical or virtual
- Use of Miniwhiteboards
- Math Support - Make and Take/Fluency

Create an MTSS Math Framework

Horizontal and Vertical Articulation to help with Transition and Commonality of Instruction



CONTACT INFORMATION

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Thank you

BCIU Berks County
Intermediate Unit
an educational service agency