

Math Intervention



Math

Domain:
**Operations &
Algebraic
Thinking
Standards**
procedural &
Conceptual
Understanding
Assessed

**130 PAGES OF
INTERVENTION
RESOURCES!**

Resource Pack

»» 3rd grade ««

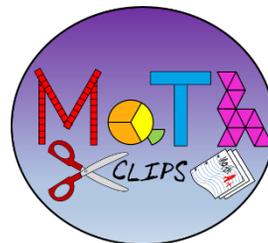
Thank you!

This resource pack is everything you need to assess and provide intervention to struggling students in the domain:
Operations and Algebraic Thinking

Starting with a pretest and item analysis of each question on the test, you will be able to pin-point exact needs of all students. Printables and short assessments are provided for each standard that assess procedural and conceptual understanding.

Take the guess work out of providing intervention and focus on what is really important; helping your students. ☺

CLiPART CREDIT:



EVERYTHING YOU NEED FOR
MATH INTERVENTION!

THANK YOU FOR YOUR PURCHASE!



TANYA YERO



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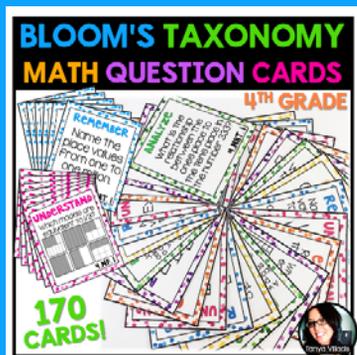
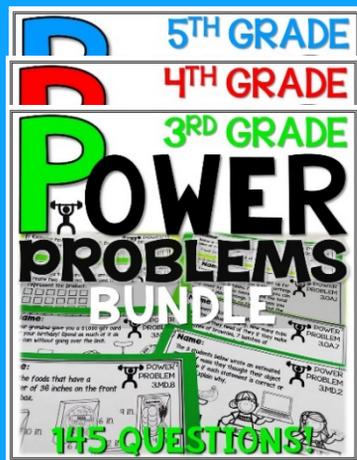
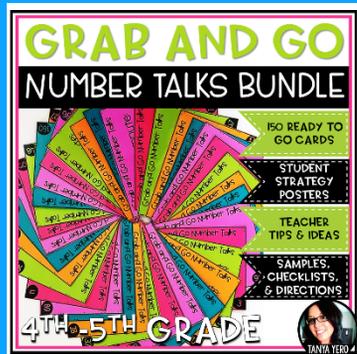
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Suggested Uses and Strategies

- ❑ Step 1 - Administer pretest
- ❑ Step 2 - Conduct Item Analysis for all students in your bottom 25%.
- ❑ Step 3 - Provide intervention (for procedural understanding and/or conceptual understanding) of specific standards to each student displaying a need
- ❑ Step 4 - After the intervention of a specific standard is provided, administer a quick check assessment for data collection
- ❑ A post test may be given to a student if they need intervention for a majority of the standards
- ❑ Class data chart is included and can be used to get an overview of if majority of your class is showing mastery of a specific skill
- ❑ The Quick Check Assessment data graph may be used to document growth for teacher, parent, and administration purposes

How to use the materials included

pretest and Item Analysis sheet is designed to pinpoint exactly where your students' needs are.

Item Analysis Data Sheet Per Student
Operations and Algebraic Thinking Pre-Test 3.OA.1 - 3.OA.4

Student Name: _____

#s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	3.OA.1	X		
#2	3.OA.1	X		
#3	3.OA.2		X	
#4	3.OA.2		X	
#5	3.OA.3	X		
#6	3.OA.3	X		
#7	3.OA.4		X	
#8	3.OA.1	X		
#9	3.OA.2		X	
#10	3.OA.4		X	

Printables are included for reviewing procedural and conceptual understanding of standards.

PREVIEW

Name: _____ Date: _____

3.OA.1 Practice Page for Procedural Understanding

Write a multiplication equation for each array.

1) $\begin{array}{cccc} \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \end{array}$ 2) $\begin{array}{cc} \circ & \circ \\ \circ & \circ \end{array}$

3) $\begin{array}{cccc} \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ \end{array}$ 4) $\begin{array}{ccccccc} \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \end{array}$

5) $\begin{array}{cc} \circ & \circ \\ \circ & \circ \end{array}$ 6) $\circ \circ \circ \circ \circ \circ \circ \circ$

7) $\begin{array}{ccccccc} \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \end{array}$ 8) $\begin{array}{ccccccc} \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ & \circ \end{array}$

Name: _____ Date: _____

3.OA.1 Practice Page for Conceptual Understanding

Solve.

1) Sue has 9 stickers on each of her three notebooks. How many stickers does Sue have in all?

2) A carpenter uses 6 nails in each panel of wood to put together a toy box. If he uses 6 panels to make the box, how many nails will he use in all?

3) A flight attendant gives out 4 Lunchables to 4 children on the flight. If there are 7 crackers in each box, how many crackers did the attendant pass out?

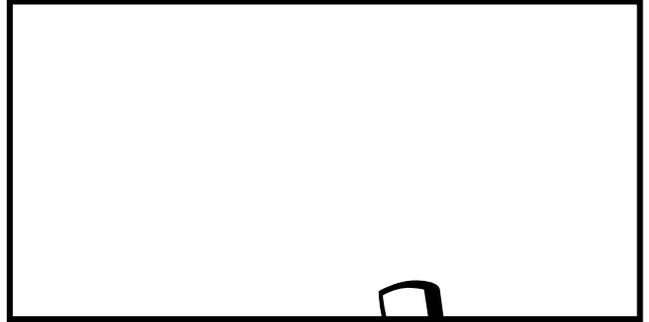
4) A small pack of crayons contains 8 crayons. How many crayons would you have if you bought 2 packs?

Name: _____

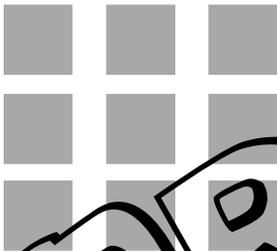
Date: _____

Operations and Algebraic Thinking Pre-Test 3.OA.1 - 3.OA.4

1.) Create two arrays for 3×6 .



2.) What multiplication sentence does the array represent?



Multiplication sentence: _____

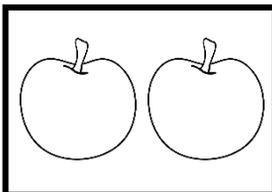
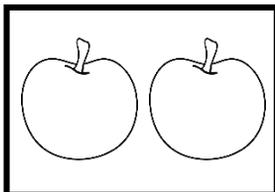
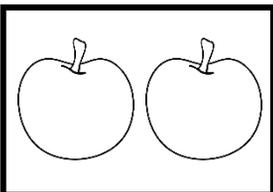
Answer: _____

3.) Jeff has 15 pencils. He wants to put the pencils into 3 equal groups. How many pencils should Jeff put in each group?

$$15 \div 3 = \underline{\hspace{2cm}}$$



4.) Write a division sentence for the picture below.



5.) Bobby has some baseball cards. He puts 7 baseball cards on one page of his collector's album. He fills 4 pages of the album. How many baseball cards does Bobby have?

6.) Mrs. Jackson bought 40 glue sticks. Each pack had 5 glue sticks. How many packs of glue sticks did Mrs. Jackson purchase?

7.) Solve.

$$9 \times 4 =$$

8.) Solve.

$$49 \div ? = 7 \quad ? = \underline{\quad\quad} \quad n \div 6 = 9 \quad n = \underline{\quad\quad}$$

9.) Patricia bought 27 flowers from the farmer's market. She wants to put the flowers equally into 3 vases. How many flowers will she put in 1 vase?

10.) What is the value of ?

$$8 = \text{smiley face} \div 64$$

Item Analysis Data Sheet Per Student

Operations and Algebraic Thinking Pre-Test 3.OA.1 - 3.OA.4

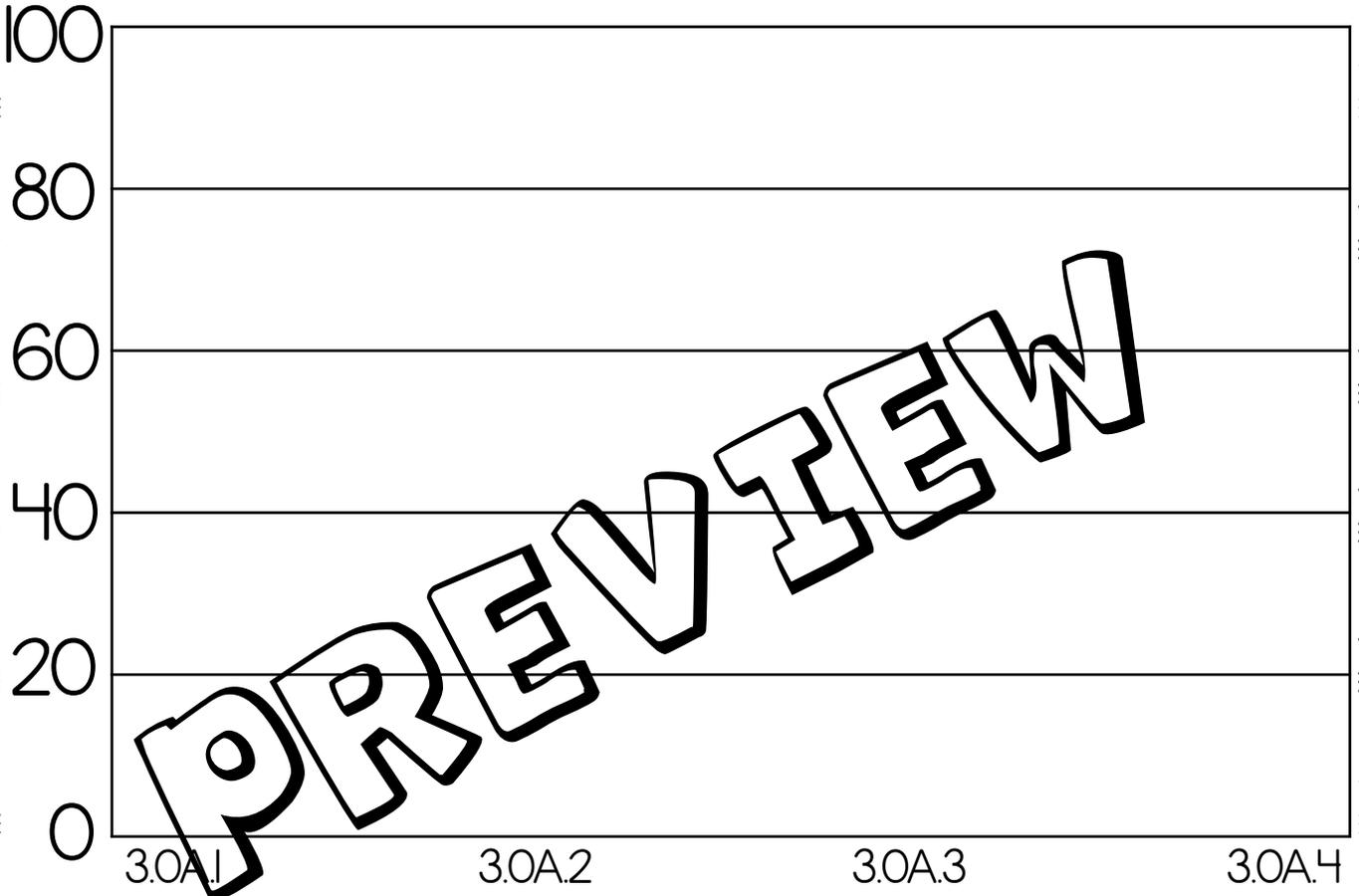
Student Name: _____

?s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	3.OA.1	X		
#2	3.OA.1	X		
#3	3.OA.2		X	
#4	3.OA.2		X	
#5	3.OA.3	X		
#6	3.OA.3	X		
#7	3.OA.4		X	
#8	3.OA.4	X		
#9	3.OA.3		X	
#10	3.OA.4		X	

Quick Check Assessment Data Graph

Operations and Algebraic Thinking Pre-Test 3.OA.1 - 3.OA.4

Student Name: _____



Intervention time spent:

Pre-test score:

Post-test score:

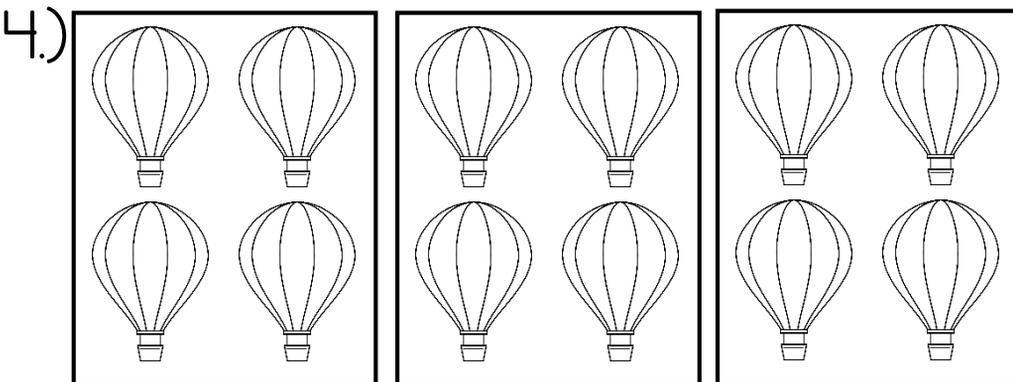
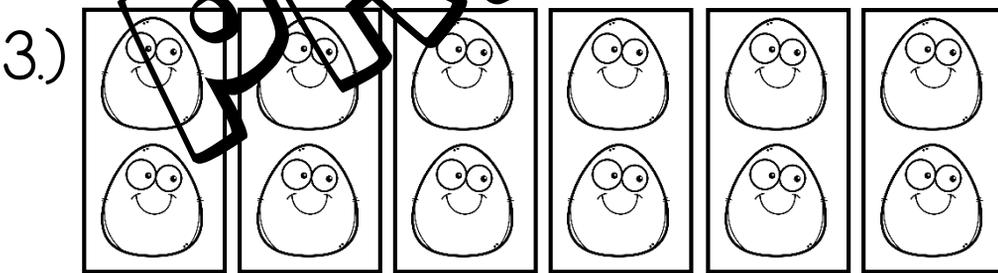
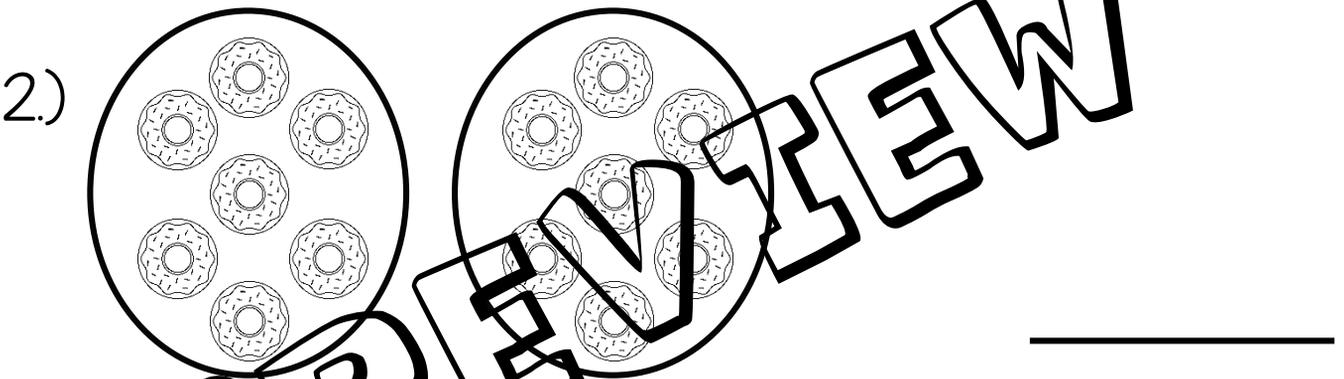
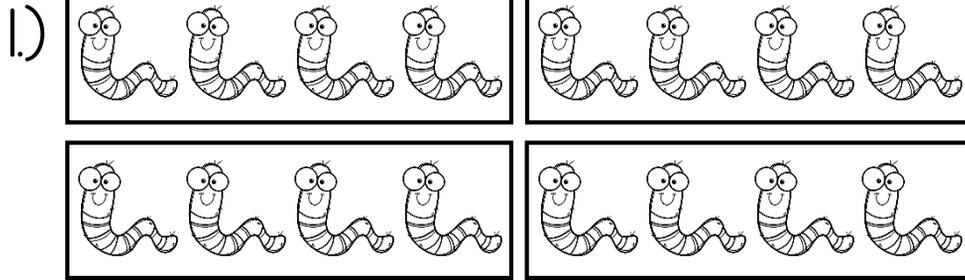
Notes:

Name: _____

Date: _____

3.0A.I Practice Page for Procedural Understanding

Write a multiplication expression for each picture below.



PREVIEW

Name:

Date:

3.0A.I Practice Page for Conceptual Understanding

Solve.

1.) Sue has 9 stickers on each of her three notebooks. How many stickers does Sue have in all?

2.) A carpenter uses 6 nails in each panel of wood to put together a toy box. If he uses 6 panels to make the box, how many nails will he use in all?

3.) A flight attendant gives out 4 Lunchables to 4 children on the flight. If there are 7 crackers in each box, how many crackers did the attendant pass out?

4.) A small pack of crayons contains 8 crayons. How many crayons would you have if you bought 2 packs?

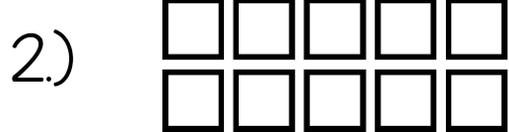
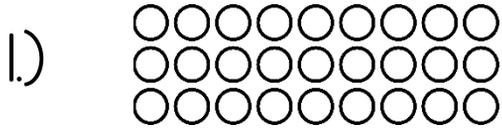
PREVIEW

Name:

Date:

3.OA.I Quick Check Assessment

Write a multiplication equation for each array.



Create an array for each multiplication expression.

3.) 3×3

4.) 5×4

PREVIEW

5.) Michelle listens to music on her iPod. Each song on her pop music playlist lasts for 4 minutes. If she listens to 8 songs, how many minutes of music will she listen to?

TANYA YERO Teaching

WHERE *creativity* MEETS PRACTICALITY



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