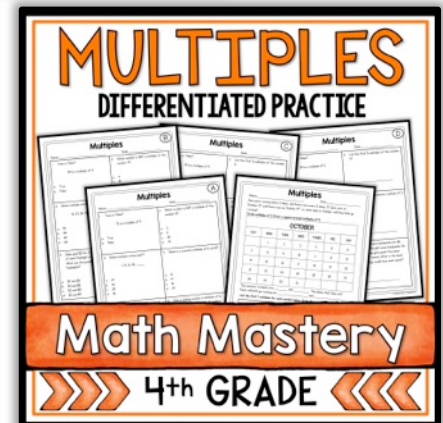
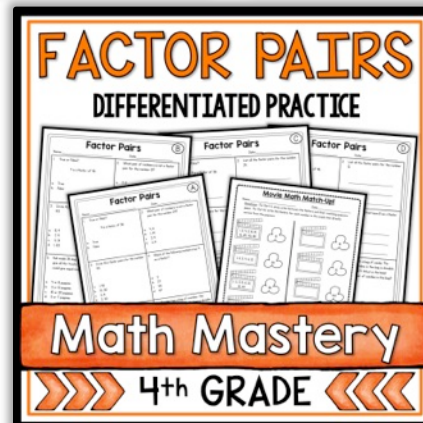
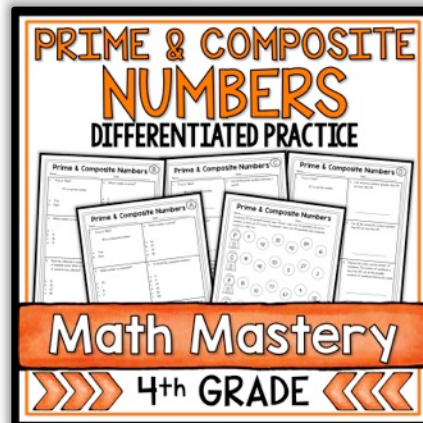
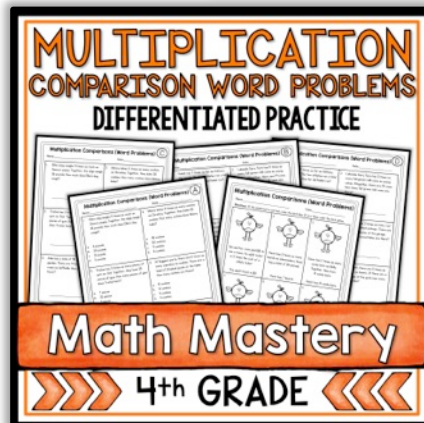
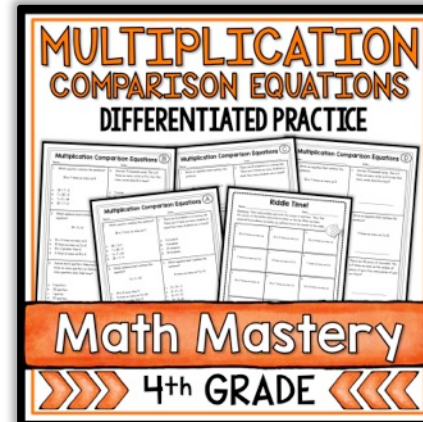
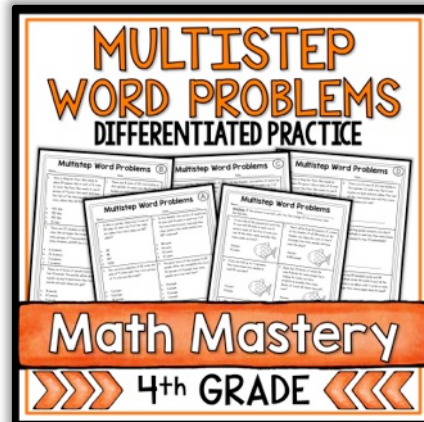
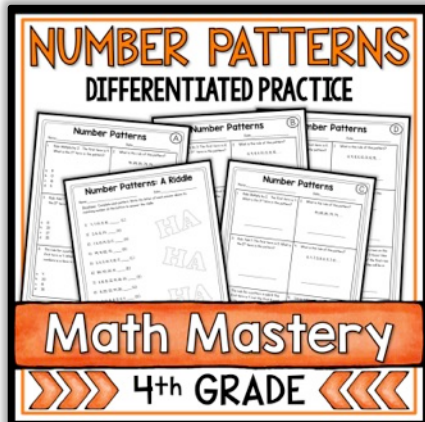


OPERATIONS & ALGEBRAIC THINKING

DIFFERENTIATED PRACTICE



Math Mastery

4th GRADE

Operations & Algebraic Thinking Concepts Bundle

There are two versions of the worksheets in each of the 7 packets:

1. The first set of pages DO NOT have the Common Core standards listed on the pages. This is for those teachers who work in districts where they are not allowed to have CC standards listed on materials used in class.
2. The second set of pages DO have the CC standards listed on them, for teachers whose districts require it.

You choose the set you want for your own situation and print those!

There are many ways you can use these packets. I originally designed it as a way to do quick checks for student mastery of math standards and concepts. Here are some suggestions on ways to use the pages:

- **Homework**
- **Morning Seatwork**
- **Exit Tickets** – Print and cut apart the boxes. For each sheet, you'll have 6 days of ready-to-go exit tickets.
- **Small Group Work** – The sheets are ideal for work in a small amount of time.
- **Independent Practice**
- **Intervention Groups**
- **Test-prep and Concept Review** – The sheets are laser-focused on one specific standard or skill. If you know your students are struggling with a concept, these packets are ideal for review.

This bundle includes 7 Operations and Algebraic Thinking Packets:

- **Numerical Patterns**
- **Multistep Word Problems**
- **Factor Pairs**
- **Multiples**
- **Prime & Composite Numbers**
- **Multiplication Comparison Equations**
- **Multiplication Comparison Word Problems**

Each packet has 4 pages of skills practice. They are labeled with the letters A,B,C, and D on the top right corner. Sheets A and B are multiple choice, while sheets C and D are open-ended. Sheets C and D have exactly the same questions as A and B. This was intentionally done for the purpose of differentiation. Struggling learners might do best with pages A and B, while students needing a challenge might benefit from pages C and D. This way, students are getting the same content and questions, just presented in a different manner. Differentiation is tough for teachers! I hope this makes it easier! – *Shelly Rees*

Each Packet Has 2 Sheets of Multiple Choice Questions and 2 Sheets of Open-Ended Questions

Multistep Word Problems (A)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow?	2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved?
a. 310 b. 198 c. 324 d. 4,536	a. 88 seats b. 112 seats c. 32 seats d. 24 seats
3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make?	4. Cho gives tours of the museum to 80 people. After she completes the tours for groups of 6 people, how many people are in her last tour?
a. 4 groups b. 13 groups c. 76 groups d. 9 groups	a. 13 people b. 2 people c. 15 people d. 5 people
5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies?	6. There are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?
a. 90 people b. 60 people c. 45 people d. 15 people	a. 16 trays b. 32 trays c. 8 trays d. 4 trays

Multistep Word Problems (B)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow?	2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved?
a. 310 b. 198 c. 324 d. 4,536	a. 88 seats b. 112 seats c. 32 seats d. 24 seats
3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make?	4. Cho gives tours of the museum to 80 people. After she completes the tours for groups of 6 people, how many people are in her last tour?
a. 4 groups b. 13 groups c. 76 groups d. 9 groups	a. 13 people b. 2 people c. 15 people d. 5 people
5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies?	6. There are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?
a. 90 people b. 60 people c. 45 people d. 15 people	a. 16 trays b. 32 trays c. 8 trays d. 4 trays

Multistep Word Problems (C)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow?	2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved?
a. 310 b. 198 c. 324 d. 4,536	a. 88 seats b. 112 seats c. 32 seats d. 24 seats
3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make?	4. Cho gives tours of the museum to 80 people. After she completes the tours for groups of 6 people, how many people are in her last tour?
a. 4 groups b. 13 groups c. 76 groups d. 9 groups	a. 13 people b. 2 people c. 15 people d. 5 people
5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies?	6. There are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?
a. 90 people b. 60 people c. 45 people d. 15 people	a. 16 trays b. 32 trays c. 8 trays d. 4 trays

Multistep Word Problems (D)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow?	2. There are 8 rows of 22 rose bushes in Jin's garden. In each row, the 2 rose bushes on each end are yellow. The rest of the rose bushes are red. How many rose bushes are red?
a. 310 b. 198 c. 324 d. 4,536	a. 32 rose bushes b. 176 rose bushes c. 160 rose bushes d. 144 rose bushes
3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make?	4. A sporting goods company can ship 6 basketballs in each box. How many boxes are needed to ship 75 basketballs?
a. 4 groups b. 13 groups c. 76 groups d. 9 groups	a. 12 boxes b. 13 boxes c. 11 boxes d. 14 boxes
5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies?	6. Jim has 84 baseball cards and 48 football cards. He wants to put all the cards in an album with 4 cards on each page. How many pages does he need?
a. 90 people b. 60 people c. 45 people d. 15 people	a. 12 pages b. 21 pages c. 33 pages d. 9 pages

Same Questions in Two Formats!

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**Perfect for
Differentiated
Learning!**

You Choose the Set You Need: CC Standards or NO CC Standards

Multistep Word Problems (A)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow? a. 310 b. 198 c. 324 d. 4,536	2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved? a. 88 seats b. 112 seats c. 32 seats d. 24 seats
3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make? a. 4 groups b. 13 groups c. 76 groups d. 9 groups	4. Cho gives tours of the museum to 80 people. After she completes the tours for groups of 6 people, how many people are in her last tour? a. 13 people b. 2 people c. 15 people d. 5 people
5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies? a. 90 people b. 60 people c. 45 people d. 15 people	6. There are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza? a. 16 trays b. 32 trays c. 8 trays d. 4 trays

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Multistep Word Problems (A)

Name: _____ Date: _____

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow? a. 310 b. 198 c. 324 d. 4,536	2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved? a. 88 seats b. 112 seats c. 32 seats d. 24 seats
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CCSS.MATH.4.OA.A.3

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print and Go! Super easy prep!

One Set **WITHOUT**
CC Standards Listed

One Set **WITH** CC
Standards Listed

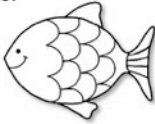
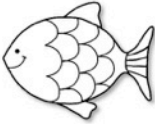


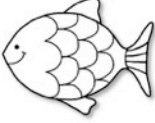
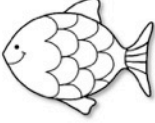
Student Mastery Checklists and Fun Practice Sheets in Each Packet

[illegible]

Multistep Word Problems

Name: _____ Date: _____

Directions: If the answer is correct, color the fish orange. If it is incorrect, color the fish blue.

<p>1. A new ride at the amusement park has 9 rows with 18 seats in each row. 8 seats in each of the first 6 rows are red. All the other seats are blue. How many seats are blue?</p> <p>Answer: 114 seats</p> 	<p>2. There will be 8 performances of a show at the theater. If all 295 seats at the theater are taken for each of the 8 showings, how many people will have seen the show?</p> <p>Answer: 2,365 people</p> 
<p>3. A box can hold up to 7 cupcakes. How many boxes are needed to hold 45 cupcakes?</p> <p>Answer: 6 boxes</p> 	<p>4. Jason has 70 blocks of wood. He uses 8 blocks for each project he is making. He makes as many projects as possible. How many blocks of wood will Jason have left over?</p> <p>Answer: 6 blocks</p> 
<p>5. Jill has 89 pumpkin seeds and 86 squash seeds. She will plant the seeds in 5 rows with an equal number of seeds in each row. How many seeds will be in each row?</p> <p>Answer: 175 seeds</p> 	<p>6. All 246 students at school eat lunch at the same time. One day, 3 students were absent. If 9 students sit at each table in the lunchroom, how many tables were used at lunch that day?</p> <p>Answer: 27 tables</p> 

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All Answer Keys Included!

Multistep Word Problems (A)

Answer Key

1. In Mary's garden, there are 9 rows of 36 tulips. In each row, 14 of the tulips are yellow. How many tulips are NOT yellow?

a. 310
b. 198
c. 324
d. 4,536

2. In the theater, one section of seats has 8 rows with 14 seats in each row. 4 of the rows have 6 seats reserved. How many seats in the whole section are NOT reserved?

a. 88 seats
b. 112 seats
c. 32 seats
d. 24 seats

3. Alex sorts his collection of 85 rocks into piles of 9 rocks each. How many groups of 9 rocks can Alex make?

a. 4 groups
b. 13 groups
c. 76 groups
d. 9 groups

4. Mrs. Chen gives tours of the museum to 80 people. After she completes the tours, 12 groups of 6 people, how many people are in her last tour?

a. 13 people
b. 2 people
c. 15 people
d. 5 people

5. There are 3 plates of cookies. Each plate holds 30 cookies. How many people can be served if each person receives 2 cookies?

a. 90 people
b. 60 people
c. 45 people
d. 15 people

6. There are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?

a. 16 trays
b. 32 trays
c. 8 trays
d. 4 trays

Multistep Word Problems (B)

are 8 rows of 22 rose bushes in garden. In each row, the 2 rose on each end are yellow. The rest rose bushes are red. How many bushes are red?

144 rose bushes

ing goods company can ship 6 balls in each box. How many boxes needed to ship 75 basketballs?

13 boxes

es tours of the museum to 80 people. After she completes the tours, 12 groups of 6 people, how many people are in her last tour?

2 people

are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?

16 trays

Multistep Word Problems (C)

are 8 rows of 22 rose bushes in garden. In each row, the 2 rose on each end are yellow. The rest rose bushes are red. How many bushes are red?

144 rose bushes

ing goods company can ship 6 balls in each box. How many boxes needed to ship 75 basketballs?

13 boxes

es tours of the museum to 80 people. After she completes the tours, 12 groups of 6 people, how many people are in her last tour?

2 people

are 8 pieces of pizza on a tray. How many trays will be needed to feed 64 people if each person has 2 pieces of pizza?

16 trays

Multistep Word Problems (D)

will be 8 performances of a show theater. If all 295 seats at the theater are taken for each of the 8 shows, how many people will have seen the show?

2360 people

is 70 blocks of wood. He uses 10 blocks for each project he is working on. He makes as many projects as possible. How many blocks of wood will Jason have left?

0 blocks

students at school eat lunch at the same time. One day, 3 students were absent. If 9 students sit at each table in the lunchroom, how many tables were used at that day?

10 tables

Easy to correct!

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