This Really Good Stuff® product includes:

- 6 Two-Sided 100 Grid Seasonal Mystery-Picture Mini Posters
- Zippered Storage Bag
- This Really Good Stuff® Activity Guide

Congratulations on your purchase of this Really Good Stuff® 100 Grid Seasonal Mystery-Pictures Set—a fun and engaging way for students to practice and self-check a wide range of math skills throughout the year, as they create 12 colorful mystery pictures by solving math questions and coloring boxes on a 100 grid.

Meeting Common Core State Standards

This Really Good Stuff® 100 Grid Seasonal Mystery-Pictures Set is aligned with the following Common Core State Standards for Mathematics:

**Counting and Cardinality**

K.CC.A.1 Count to 120 by ones and by tens.
K.CC.A.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).

**Operations and Algebraic Thinking**

K.OA.A.1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.
K.OA.A.2 Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.
K.OA.A.3 Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings to represent the number.
K.OA.A.4 For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.
K.OA.A.5 Fluently add and subtract within 5.

**Numbers and Operations in Base Ten**

1.NBT.A.1 Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.
1.NBT.B.2 Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases:
1.NBT.B.2a 10 can be thought of as a bundle of ten ones — called a "ten." 1.NBT.B.2b The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.
1.NBT.B.2c The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).
1.NBT.B.2d The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine tens and zeros (and 0 ones).
1.NBT.B.3 Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.
1.NBT.B.4 Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.
1.NBT.B.5 Give a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.
1.NBT.B.6 Subtract multiples of 10 in the range 10–90 from multiples of 10 in the range 10–90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Introducing the 100 Grid Seasonal Mystery-Pictures Set

Depending on the season, pick one of the 100 Grid Mystery-Picture Mini Posters to use for the lesson. Copy and distribute the 100 Grid Reproducible, and tell students they will each need a set of crayons or colored pencil. For demonstration purposes, enlarge a copy of the 100 Grid Reproducible and the instructions side of the selected Mini Poster, or use a document camera, if available, to project them on a whiteboard.

Work together as a class answering the math-based questions in the instructions. Have students fill in the boxes with the appropriate colors on their reproducible grids as you fill them in on the enlarged version. Demonstrate checking off each sentence of the instructions after you complete each step. Take time to discuss and review mathematical operations and terms used, including +, =, >, <, tens, ones, after, before, between, greater than, less than, etc., as you and the class work as a group on the mystery picture.

After the mystery picture is completed, have students answer the question “What do you see in this mystery picture?” at the bottom of their reproducibles. Then reveal the mystery picture on the reverse side of the corresponding Mini Poster and compare it to the grid you just completed. If any student’s reproducible does not match the mystery picture, instruct him or her to analyze and mark the areas that are different, reread the instructions, and redo the math-based questions as needed. Explain that throughout the year they will have more occasions to create mystery pictures.
Helping Teachers Make A Difference

100 Grid Seasonal Mystery-Pictures Set

some practice, they may even have opportunities to create their own math-based instructions for mystery pictures and try them out on their friends.

For the activities below, make copies of the 100 Grid Reproducible for students to use as they complete the activities with crayons and/or colored pencils. Or you can make copies of the 100 Grid Reproducible and laminate them for use with dry erase markers and erasers.

Independent 100 Grid Seasonal Mystery Pictures

Copy and distribute a 100 Grid Reproducible along with a selected Mystery-Picture Mini Poster, making sure that the instruction side is facing up. Have students work independently to answer the math-based questions and color the correct boxes as seatwork or homework. Instruct students to check their work by turning over their Mini Posters and comparing their work to the mystery picture. Ask students to circle any incorrectly colored or uncolored boxes on their reproducibles. Encourage them to review the questions and see where they may have erred.

Small Group and Partner Mystery Pictures

Have copies of the 100 Grid Reproducible and the selected Mystery-Picture Mini Poster ready. Create small groups or partners of mixed abilities to encourage growth and learning. Select stronger students to explain math concepts to their group or partner. You can ask the group or partnership to fill in a single copy of the 100 Grid Reproducible, have each member of the group or partnership take turns answering and filling in the boxes, or have each student fill in his or her own individual copy. Allow ample time and space for students to be able to talk and work through the problems together. When they are finished creating their mystery pictures, have them self-check their work by referring to the Mini Poster.

100 Grid Seasonal Mystery-Pictures Center

Copy a large quantity of the 100 Grid Reproducible and gather set of crayons, colored pencils, or dry erase markers. Create a space or storage box with all the supplies at hand to facilitate use as a center activity. Display the instructions side of a selected Mystery-Picture Mini Poster in the center work area. Have students sit around the Poster as they follow the directions and color the boxes. When they are finished creating the mystery picture, have them self-check their work by referring to the Mini Poster. Change the center activity by selecting the appropriate seasonal Mini Poster as you progress through the school year.

Create-Your-Own-Instructions Enrichment Activity

Challenge advanced students to create their own set of math-based instructions for a 100 grid mystery picture. Select one of the Mystery-Picture Mini Posters. Copy and distribute a blank Mystery-Picture Instructions Sheet Reproducible for students to record their instructions, and a 100 Grid Reproducible so they may check their work. Begin by discussing the types of questions they have seen on the instructions side of the Mini Posters. Make a reference chart of questions and key words they can use to write instructions:

+, –
tens
ones
after ___
before ___
between ___ and ___
from ___ through ___
greater than ___
greater than ___ but less than ___
less than ___
10 more than ___
10 less than ___

Challenge students to create their very own 100 grid mystery picture using a blank 100 Grid Reproducible. To create images by coloring in the boxes and completing the Blank Mystery-Picture Instruction Sheet Reproducible. Make a copy of each student’s instructions and original image, then laminate them back-to-back. Place the pictures and instructions at your mystery-picture math center for other students to complete.