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| **Teacher:** 5th grade | | | | **Class/Subject:** 5th grade Math | | | | **Week of:** April 28 - May 2 | | |
| **Weekly Standards:** | | NBT.2, NBT.5, OA.3, NBT.6, NBT.7, NBT.4, NF.3, NF.1, NF.4, G.3, G.1 | | | | | | | | |
| **Depth of Knowledge Definitions** | **Recall and Reproduction:**  Basic recall of concepts, definitions, facts, and processes; list of ideas; locating key ideas; sequencing; using a formula | | | | **Skill/Concept:**  Mental processing beyond recall or reproducing a response; application of skills in a familiar situation; making a decision on how to approach a problem; using more than one cognitive step in developing an answer; explanations of how and why | | **Strategic Thinking:**  More than one possible answer; goes beyond the text; a deep understanding exhibited through planning and reasoning; citing evidence and justifying a response; applying prior knowledge | | | **Extended Thinking:**  Investigating that requires time to research, think, or process multiple conditions of a problem, examine alternative perspectives across a variety of sources, analyze and synthesize information from multiple sources, requires an extended period of time |
| **Anticipatory Set:**  \*Congruent to objectives  \*Active participation  \*Past experience | | | **Direct Instruction:**  \*Modeling  \*Guided practice  \*Check for understanding  \*Independent practice | | | **Active Participation**  \*M- Mandatory  \*E- Elicited by the teacher  \*A- All students, same time  \*T- Throughout learning | | | **Closure:**  \*Congruent to Objective  \*Active participation  \*Past experience  \*Student summary | |

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| **Monday** | **Lesson Title:** Math Literature Units | | | **Date:** April 28 | | | |
| **Anticipatory Set:** See - Think-Wonder that has patterns in it | | **Objectives/Student Friendly:** I can multiply multi-digit whole numbers. I can explain the number of zeros in a product when multiplying by powers of 10. I can generate two numerical patterns given two rules. I can fluently divide whole numbers. I can fluently multiply decimals. I can use place value to round decimals. I can interpret fractions as division of numerator. I can add/subtract fractions with unlike denominators. I can interpret the product of (a/b) x q. I can understand the attributes to two dimensional figures. I can define and use a coordinate system. | | | | |
| **Direct Instruction:**  Continue math literature units  Keeping Records - place value, patterns, and multiplying whole numbers  Everest Adventures- measurement, multiplication, graphs  Cruising the Caribean - graphs, multiplication, estimation, coordinate grids  Go Fly A Kite - two dimensional figures, area, fractions  The Mighty MeKong - volume, multiply fractions, graphs, compare decimals  Cracking the Code - multiplication, patterns, graphing  Homework: Real World Problem worksheet | | **Relevance:** using the literature books allows students to review standards in real world situation | | | | |
| **Materials/Resources:** | | | | |
| Worksheet:  Handout: | | Textbook:  Clickers: | | SmartBoard:  Doc. Cam.: |
| Other: | | | | |
| **Active Participation:** whole group, small group, individual | | **Depth of Knowledge** | | | | |
| Recall and Reproduction:  Skill/Concept: | | | Strategic Thinking:  Extended Thinking: | |
| **Closure:** Timed Pair Share- something you learned from your math unit today | | **Vocabulary:** place value, pattern, whole number, fraction, numerator, denominator, multiply, product, graph, x-axis, y-axis, coordinate grid, estimation, meter, kilometer, millimeter, centimenter, area, volume, two dimensional figures | | | | |
| **Reteach:** area and perimeter | **Enrich:** | | | | | |
| **Tuesday** | **Lesson Title:**  math literature | | | **Date:** April 29 | | | |
| **Anticipatory Set:** See - Think - Wonder Using a picture involving multiple math concepts | | **Objectives/Student Friendly:** I can multiply multi-digit whole numbers. I can explain the number of zeros in a product when multiplying by powers of 10. I can generate two numerical patterns given two rules. I can fluently divide whole numbers. I can fluently multiply decimals. I can use place value to round decimals. I can interpret fractions as division of numerator. I can add/subtract fractions with unlike denominators. I can interpret the product of (a/b) x q. I can understand the attributes to two dimensional figures. I can define and use a coordinate system. | | | | |
| **Direct Instruction:**  Use Math Literature to review standards from Envisions  Keeping Records - place value, patterns, and multiplying whole numbers  Everest Adventures- measurement, multiplication, graphs  Cruising the Caribean - graphs, multiplication, estimation, coordinate grids  Go Fly A Kite - two dimensional figures, area, fractions  The Mighty MeKong - volume, multiply fractions, graphs, compare decimals  Cracking the Code - multiplication, patterns, graphing  Homework: Common Core review worksheet or real world problem worksheet | | **Relevance:** using the literature books allows students to review standards in real world situations | | | | |
| **Materials/Resources:** | | | | |
| Worksheet:  Handout: | | Textbook:  Clickers: | | SmartBoard:  Doc. Cam.: |
| Other: Math Literature Books | | | | |
| **Active Participation:** whole group, small group, individual | | **Depth of Knowledge** | | | | |
| Recall and Reproduction:  Skill/Concept: | | | Strategic Thinking:  Extended Thinking: | |
| **Closure:** Ticket out the door - using multiplication in a real world problem | | **Vocabulary:** place value, pattern, whole number, fraction, numerator, denominator, multiply, product, graph, x-axis, y-axis, coordinate grid, estimation, meter, kilometer, millimeter, centimenter, area, volume, two dimensional figures | | | | |
| **Reteach:** area and perimeter | **Enrich:** | | | | | |

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| **Wednesday** | **Lesson Title:** Real world math through math literature | | | **Date:** April 30 | | | |
| **Anticipatory Set:** Error analysis problem: real world problem with error analysis | | **Objectives/Student Friendly:** I can multiply multi-digit whole numbers. I can explain the number of zeros in a product when multiplying by powers of 10. I can generate two numerical patterns given two rules. I can fluently divide whole numbers. I can fluently multiply decimals. I can use place value to round decimals. I can interpret fractions as division of numerator. I can add/subtract fractions with unlike denominators. I can interpret the product of (a/b) x q. I can understand the attributes to two dimensional figures. I can define and use a coordinate system. | | | | |
| **Direct Instruction:**  Use Math Literature to review standards from Envisions  Keeping Records - place value, patterns, and multiplying whole numbers  Everest Adventures- measurement, multiplication, graphs  Cruising the Caribean - graphs, multiplication, estimation, coordinate grids  Go Fly A Kite - two dimensional figures, area, fractions  The Mighty MeKong - volume, multiply fractions, graphs, compare decimals  Cracking the Code - multiplication, patterns, graphing  Homework: Common Core review worksheet or real world problem page | | **Relevance:** using the literature books allows students to review standards in real world situations | | | | |
| **Materials/Resources:** | | | | |
| Worksheet:  Handout: | | Textbook:  Clickers: | | SmartBoard:  Doc. Cam.: |
| Other: Math literature books | | | | |
| **Active Participation:** whole group, small group, individual | | **Depth of Knowledge** | | | | |
| Recall and Reproduction:  Skill/Concept: | | | Strategic Thinking:  Extended Thinking: | |
| **Closure:** Timed pair share: one think you learned about numbers/math in your math literature unit | | **Vocabulary:** place value, pattern, whole number, fraction, numerator, denominator, multiply, product, graph, x-axis, y-axis, coordinate grid, estimation, meter, kilometer, millimeter, centimenter, area, volume, two dimensional figures | | | | |
| **Reteach:** area and perimeter | **Enrich:** | | | | | |
| **Thursday** | **Lesson Title:** Real world math through math literature | | | **Date:** May 1 | | | |
| **Anticipatory Set:** Zoom in on graph or kites as link to math literature units | | **Objectives/Student Friendly:** I can multiply multi-digit whole numbers. I can explain the number of zeros in a product when multiplying by powers of 10. I can generate two numerical patterns given two rules. I can fluently divide whole numbers. I can fluently multiply decimals. I can use place value to round decimals. I can interpret fractions as division of numerator. I can add/subtract fractions with unlike denominators. I can interpret the product of (a/b) x q. I can understand the attributes to two dimensional figures. I can define and use a coordinate system. | | | | |
| **Direct Instruction:**  Continue math literature units  Keeping Records - place value, patterns, and multiplying whole numbers  Everest Adventures- measurement, multiplication, graphs  Cruising the Caribean - graphs, multiplication, estimation, coordinate grids  Go Fly A Kite - two dimensional figures, area, fractions  The Mighty MeKong - volume, multiply fractions, graphs, compare decimals  Cracking the Code - multiplication, patterns, graphing  Homework: Common Core review worksheet or real world problem worksheet | | **Relevance:** using the literature books allows students to review standards in real world situations | | | | |
| **Materials/Resources:** | | | | |
| Worksheet:  Handout: | | Textbook:  Clickers: | | SmartBoard:  Doc. Cam.: |
| Other: Math literature books | | | | |
| **Active Participation:** whole group, small group, individual | | **Depth of Knowledge** | | | | |
| Recall and Reproduction:  Skill/Concept: | | | Strategic Thinking:  Extended Thinking: | |
| **Closure:** Stand Up, Hand Up, Pair Up- to discuss what they learned in their math literature stories today | | **Vocabulary:** place value, pattern, whole number, fraction, numerator, denominator, multiply, product, graph, x-axis, y-axis, coordinate grid, estimation, meter, kilometer, millimeter, centimenter, area, volume, two dimensional figures | | | | |
| **Reteach:** area and perimeter | **Enrich:** | | | | | |
| **Friday** | **Lesson Title:** Real world math through math literature units | | | **Date:** May 2 | | | |
| **Anticipatory Set:** See - Think - Wonder using review of math | | **Objectives/Student Friendly:** I can multiply multi-digit whole numbers. I can explain the number of zeros in a product when multiplying by powers of 10. I can generate two numerical patterns given two rules. I can fluently divide whole numbers. I can fluently multiply decimals. I can use place value to round decimals. I can interpret fractions as division of numerator. I can add/subtract fractions with unlike denominators. I can interpret the product of (a/b) x q. I can understand the attributes to two dimensional figures. I can define and use a coordinate system. | | | | |
| **Direct Instruction:**  Continue math literature units  Keeping Records - place value, patterns, and multiplying whole numbers  Everest Adventures- measurement, multiplication, graphs  Cruising the Caribean - graphs, multiplication, estimation, coordinate grids  Go Fly A Kite - two dimensional figures, area, fractions  The Mighty MeKong - volume, multiply fractions, graphs, compare decimals  Cracking the Code - multiplication, patterns, graphing | | **Relevance:** using the literature books allows students to review standards in real world situations | | | | |
| **Materials/Resources:** | | | | |
| Worksheet:  Handout: | | Textbook:  Clickers: | | SmartBoard:  Doc. Cam.: |
| Other: Math literature books | | | | |
| **Active Participation:** whole group, small group, individual | | **Depth of Knowledge** | | | | |
| Recall and Reproduction:  Skill/Concept: | | | Strategic Thinking:  Extended Thinking: | |
| **Closure:** Share what you learned in math literature units | | **Vocabulary:** place value, pattern, whole number, fraction, numerator, denominator, multiply, product, graph, x-axis, y-axis, coordinate grid, estimation, meter, kilometer, millimeter, centimenter, area, volume, two dimensional figures | | | | |
| **Reteach:** | **Enrich:** | | | | | |