

6th Grade Math Unit 1 Discovery Board (DISCOVER)

Unit 1 Culminating Task – [Pick a Number, Any Number \(GaDOE Task\)](#)

Divide Whole Numbers (6.NS.2)

Standard Check Date _____

Learning Target – I can divide multi-digit numbers using the standard algorithm.

LEARNING PREFERENCE FOR THIS STANDARD:

- Independent
- Collaborative
- Small Group with Teacher

SELF-GUIDED INSTRUCTION:

- [Khan Academy video](#)
- USA Test Prep: MGSE6.NS.2 → Videos
- [Virtual Nerd video](#)
- Coach book, p. 10 – 13

PRACTICE:

DOK 1 Choices for Beginning Learners

- [Snork's Long Division Game](#)
- [Khan Academy Online Practice Problems](#) (____)
- USA Test Prep: MGSE6.NS.2 → Questions → Beginner (____)
- Orange book, p. 726 #31 – 50

DOK 2 Choices for Developing Learners

- [Kahoot! – Number Systems: Dividing Multi-Digit Numbers](#)
- [Math Mountain Game \(tiered\)](#)
- [Khan Academy Practice Problems](#)
- USA Test Prep: MGSE6.NS.2 → Questions → Advanced (____)
- Coach book, p. 16 - 17 #1 – 12

DOK 3 Choices for Proficient Learners

- [School Fund-Raiser \(GaDOE Task\)](#)
- Make a poster on construction paper - Choose a 5-digit number and a 2-digit number. Write a real-world problem about dividing the 5-digit number by the 2-digit number, then solve the problem. Write a paragraph explaining the process and the meaning of your solution in the real-world example.

GCF & LCM (6.NS.4)

Standard Check Date _____

Learning Target – I can find the greatest common factor and the least common multiple of two numbers.

LEARNING PREFERENCE FOR THIS STANDARD:

- Independent
- Collaborative
- Small Group with Teacher

SELF-GUIDED INSTRUCTION:

- [USA Test Prep Video \(Sled/Ladder method\)](#)
- Coach book, p. 2 - 5

PRACTICE:

DOK 1 Choices for Beginning Learners

Greatest Common Factor

- [AAA Math GCF practice](#) - Scroll down for timed practice problems. (____)
- GCF - Green book, p. 158 #15 – 18
- Greatest Common Factor Puzzle (see teacher)

Least Common Multiple

- [AAA Math LCM practice](#) - Scroll down for timed practice problems. (____)
- LCM - Green book, p. 168 #17 – 21
- Least Common Multiple Puzzle (See Teacher)

GCF & LCM

- [Kahoot! – Number Systems: Common Factors and Multiples](#)
- USA Test Prep: MGSE6.NS.4 → Questions → Beginner (____)

DOK 2 Choices for Developing Learners

- [Khan Academy Practice Problems](#)
- USA Test Prep: MGSE6.NS.4 → Questions → Advanced (____)
- Coach book, p. 8 - 9 #1 - 12

DOK 3 Choices for Proficient Learners

- [Secret Number \(GaDOE Task\)](#) (factors & multiples)
- [Back to School \(GaDOE Task\)](#) (GCF & LCM)
- Make a poster on construction paper - Write a real-world problem that is solved by finding the GCF or LCM, then solve the problem. Write a paragraph explaining the process and the meaning of your solution in the real-world example.

6th Grade Math Unit 1 Discovery Board (continued)

Unit 1 Culminating Task – [Pick a Number, Any Number \(GaDOE Task\)](#)

Decimal Operations (6.NS.3)

Standard Check Date _____

Learning Target – I can find the sum, difference, product and quotient of decimal numbers.

LEARNING PREFERENCE FOR THIS STANDARD:

- Independent
- Collaborative
- Small Group with Teacher

SELF-GUIDED INSTRUCTION:

- [Subtract Decimals - Virtual Nerd Video](#)
- [Multiply decimals - Virtual Nerd video](#)
- [Divide Decimals - Virtual Nerd Video](#)

PRACTICE:

DOK 1 Choices for Beginning Learners

- [Cool Math – The Decimal Cruncher](#)
- [Kahoot! – Number Systems: Decimal Operations](#)
- USA Test Prep: MGSE6.NS.3 → Questions → Beginner (____)
- Subtract Decimals - Orange book, p. 730 #16 - 35
- Multiply Decimals - Orange book, p. 731 #11 - 30
- Divide Decimals - Orange book, p. 733 #19 – 26 & p. 735 #27 – 34

DOK 2 Choices for Developing Learners

- [Khan Academy: Add & Subtract Decimals Word Problems](#)
- USA Test Prep: MGSE6.NS.3 → Questions → Advanced (____)
- Add & Subtract Decimals - Coach Book, p. 63 – 70
- Multiply & Divide Decimals – Coach Book, p. 71 – 80

DOK 3 Choices for Proficient Learners

- [Decimal Word Problems](#)
- [McDonald's Meal Task](#)
- Make a poster on construction paper - Write a real-world problem that involves at least 3 decimal numbers and 2 operations. Solve the problem. Write a paragraph explaining the process and the meaning of your solution in the real-world example.

Divide Fractions (6.NS.1)

Standard Check Date _____

Learning Target – I can use the standard algorithm to divide fractions.

LEARNING PREFERENCE FOR THIS STANDARD:

- Independent
- Collaborative
- Small Group with Teacher

SELF-GUIDED INSTRUCTION:

- [Khan Academy Video](#)
- [Keep, Change, Flip Video](#)
- Coach Book, p. 69 - 73

PRACTICE:

Pre-requisite skills

- Improper to Mixed - Orange book, p. 738 #1 – 24
- Mixed to Improper - Orange book, p. 738 #25 - 42

DOK 1 Choices for Beginning Learners

- [Math Is Fun Quiz \(divide fraction by whole number\)](#) (____)
- [Math Is Fun Quiz \(divide fractions\)](#) (____)
- USA Test Prep: MGSE6.NS.4 → Questions → Beginner (____)
- Orange book, p. 740 #19 – 28

DOK 2 Choices for Developing Learners

- [Kahoot! – Fractions: Division of Fractions Word Problems](#)
- [Khan Academy Practice Problems](#) (____)
- USA Test Prep: MGSE6.NS.4 → Questions → Advanced (____)
- Coach book, p. 76 – 77 # 1-10

DOK 3 Choices for Proficient Learners

- [Dividing Fractions in Context \(GaDOE Task\)](#)
- Make a poster on construction paper - Write a real-world problem involving two fractions or a fraction and a whole number. Solve the problem. Write a paragraph explaining the process and the meaning of your solution in the real-world example.