**Chapter Two Outcomes: Rational Numbers**

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| **Lesson Goals**  *Place a checkmark in the box that best describes your work.* | **Yes, on my own** | **Yes, with help** | **Sometimes/ Not sure** | **Not yet** |
| 1. I can compare and order rational numbers. |  |  |  |  |
| 1. I can identify a rational number between two given rational numbers. |  |  |  |  |
| 1. **I can perform operations on rational numbers in decimal form.** |  |  |  |  |
| 1. I can solve problems involving rational numbers in decimal form. |  |  |  |  |
| 1. **I can add and subtract fractions.** |  |  |  |  |
| 1. **I can multiply and divide fractions.** |  |  |  |  |
| 1. I can solve problems involving rational numbers in fraction form. |  |  |  |  |
| 1. **I can determine the square root of a perfect square rational number.** |  |  |  |  |
| 1. **I can determine the approximate square root of a non-perfect square rational number.** |  |  |  |  |

**Chapter Two Vocabulary**

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Rational Number |  |
| Perfect Square |  |
| Non perfect square |  |
| Mean |  |

**Chapter Three: Powers and Exponents**

**Outcome 1:** I can compare and order rational numbers.

Examples: Pg.48 Example 1; Pg.49 Example 2

Basic Questions: Pg.51 #1-9; Pg.52 #10-13,18; Pg.53 #18,21,22

Advanced Questions: Pg.53 #19,20; Pg.53 #23; Pg.54 #29,30

**Outcome 2:** I can identify a rational number between two given rational numbers.

Examples: Pg.50 Example 3

Basic Questions: Pg.52 #14-17; Pg.54 #25

Advanced Questions: Pg.53 #24;Pg.54 #26,27,28

**Outcome 3: I can perform operations on rational numbers in decimal form.**

Examples: Pg.56 example 1; Pg.57 Example 2

Basic Questions: Pg.59 #2,3; Pg.60 #4-9; Pg.61 #18

Advanced Questions: Pg.62 #24, 26-29

**Outcome 4:** I can solve problems involving rational numbers in decimal form.

Examples: Pg.58 Example 3

Basic Questions: Pg.60 #10-14; Pg.61 #19; Pg.62 #23

Advanced Questions: Pg.61 #15-17, 20-22; Pg.62 #25

**Outcome 5: I can add and subtract fractions.**

Examples: Pg.64 Example 1

Basic Questions: Pg.67 #1; Pg.68 #5,6

Advanced Questions: Pg.70 #19,20,23,24,27

**Outcome 6: I can multiply and divide fractions.**

Examples: Pg.65 Example 2

Basic Questions: Pg.67 #2; Pg.68 #3,4,7,8

Advanced Questions: Pg.70 #21,25,6

**Outcome 7:** I can solve problems involving rational numbers in fraction form.

Examples: Pg.66 Example 3

Basic Questions: Pg.68 #9,10,11; Pg.69 #12,14

Advanced Questions: Pg.69 #13,15,16; Pg.70 #18,22

**Outcome 8:** **I can determine the square root of a perfect square rational number.**

Examples: Pg.74 Example 1; Pg.75 Example 2; Pg.76 Example 3

Basic Questions: Pg.78 #7-10; Pg.79 #11,12,15,18; Pg.80 #28

Advanced Questions: Pg.78 #3; Pg.79 #16,17,19; Pg.80 #21,27,29,30; Pg.81 #31,32

**Outcome 9: I can determine the approximate square root of a non-perfect square rational number.**

Examples: Pg. 77 Example 4

Basic Questions: Pg.78 #1,4-6; Pg.79 #13,14; Pg.80 #24

Advanced Questions: Pg.79 #20; Pg.80 #22,26; Pg.81 #33-36