**Foundations 20 Chapter 8 Proportional Reasoning Learning Contract**

*FM 20.3 – I understand proportional reasoning. I can use it for finding rates, drawing scale diagrams, calculating scale factor, calculating area and surface area, and solving volume formulas.*

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| Section | Topic | Assignment | Start Date | Due Date |
| 8.0 | Proportional Reasoning Review | WB p. 216 # 2-12 | Feb. 2 | Feb. 3 |
| 8.1 | Comparing and Interpreting Rates | Marc’s Ski Adventure  WB p. 221 # 1-13, 16 | Feb. 3 | Feb. 4 |
| 8.2 | Solving Problems that Involve Rates | WB p. 226 # 1-5, 8, 9 | Feb. 4 | Feb. 5 |
| 8.3 | Scale Diagrams | WB p. 229 # 3-12 | Feb. 5 | Feb. 6 |
| 8.0–8.2 | Skill Check #1 | In-Class Quiz | Feb. 6 | Feb. 6 |
| 8.4 | Scale Factors and Areas of 2D Shapes | WB p. 235 # 1-8, 11 | Feb. 6 | Feb. 10 |
| 8.5 | Similar Objects: Scale Models and Scale Diagrams | WB p. 239 # 1-5, 10 | Feb. 10 | Feb. 11 |
| 8.6 | Scale Factors and 3D Shapes | WB p. 243 # 1-12 | Feb. 11 | Feb. 12 |
| 8.3-8.6 | Skill Check #2 | In-Class Quiz | Feb. 12 | Feb. 12 |
| 8.3-8.6 | Scale Factor Project | Project Handout | Feb. 12 | Feb. 23 |
| Review | Chapter Test | WB p. 247 # 4-12 | Feb. 12 | Feb. 13 |
| Exam | Unit Test | N/A | Feb. 13 | Feb. 13 |

**Assessment Scale**

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| 1 | 2 | 3 | 4 | 5 |
| No understanding evident. | Incorrect mathematical processes used. | Some understanding of concept. Some correct mathematical processes used. | Correct mathematical processes used. Minor error causes incorrect answer. | Correct mathematical processes used. Correct answer. |

If you require extra practice, please see me for additional textbook assignments.

See msthibeault.weebly.com for extra help videos and other resources.

Note: Dates may be adjusted due to unforeseen circumstances. Please listen in-class for any changes.