

## Dimensions Math Scheduling Suggestions

(see following pages for each unit's individual schedule)

1. If a student completes each Unit in the suggested number of days listed on the schedule, Dimensions Math 8A and 8B will be completed in 34 weeks. Dimensions 8A is a bit longer, so 8A requires approximately 19 weeks and 8B requires 15 weeks. This includes 1 week per book to study for and complete a cumulative semester exam provided by Singapore Math® Live.
2. Singapore Math® Live strongly recommends the use of Dimensions Math 8B Textbook and Workbook. The “Basic Practice” problems in the workbook are used as review during the Instruction Recordings. The “Further Practice”, “Challenging Practice”, and “Enrichment” problems in the workbook are assigned after completing the Textbook Exercises.
  - a. The “Further Practice” problems combine the concepts of each unit into problems that promote comprehension and critical thinking skills, this is very important practice!
  - b. The “Challenging Practice” introduces word problems and applications, also very important!
  - c. The “Enrichment” portion teaches students to think about math from a broader perspective. This is important for developing abstract thinking / reasoning skills.
3. Notice that one Task is not equivalent to one day's work. It is generally reasonable to complete two tasks per day in the first part of each unit when the student is watching an Instruction Recording and completing the corresponding assignment. However, at the end of each unit the two tasks that assign Workbook problems will take between 2 and 4 days to complete. It is reasonable for a student to give their full attention to math for 60-90 minutes each day at this level.
4. Although some of the problems are quite rigorous, students should attempt each one and then go to the Solutions Recordings if they have incorrect answers or if they are not able to solve them on their own. They should view the solution, pause the recording, and then use the same strategies and methods to solve the problem on their own. There will be times when the goal of “every problem in each unit” is unrealistic, but with the Solutions Recordings available, it is a much more attainable goal!
5. At the beginning of each unit, read the Parent Notes found by clicking the “Resources for Registered Parents” link. Here you will find information/instructions that are specific to that unit.

## **Dimensions Math 8B Unit 8: Graphs of Linear and Quadratic Functions**

**Suggested Time: 7 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-10 are completed during the Instruction Recordings.*

**Task 1:** Watch 8.1 Instruction Recording

**Task 2:** Assignment: TB 8.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 8.2 Instruction Recording

**Task 4:** Assignment: TB 8.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch Unit 8 Review Recording

**Task 6:** Assignment: WB #11-20, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Assignment: WB #21-29, Check answers in back, use Solutions recording to help with corrections.

**Task 8:** Assignment: TB Unit 8 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Assignment: Singapore Math® Live's Unit 8 Test

**Dimensions Math 8B Unit 9: Graphs in Practical Situations**

**Suggested Time: 7 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-12 are completed during the Instruction Recordings.*

**Task 1:** Watch 9.1 Instruction Recording

**Task 2:** Assignment: TB 9.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 9.2 Instruction Recording

**Task 4:** Assignment: TB 9.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch Unit 9 Review Recording

**Task 6:** Assignment: WB #13-20, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Assignment: WB #21-29, Check answers in back, use Solutions recording to help with corrections.

**Task 8:** Assignment: TB Unit 9 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Assignment: Singapore Math® Live's Unit 9 Test

**Dimensions Math 8B Unit 10: Pythagorean Theorem**

**Suggested Time: 10 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-10 are completed during the Instruction Recordings.*

**Task 1:** Watch 10.1 Instruction Recording

**Task 2:** Assignment: TB 10.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 10.2 Instruction Recording

**Task 4:** Assignment: TB 10.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch 10.3 Instruction Recording

**Task 6:** Assignment: TB 10.3 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch Unit 10 Review Recording

**Task 8:** Assignment: WB #11-20, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Assignment: WB #21-29, Check answers in back, use Solutions recording to help with corrections.

**Task 10:** Assignment: TB Unit 10 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 11:** Assignment: Singapore Math® Live's Unit 10 Test

**Dimensions Math 8B Unit 11: Coordinate Geometry**

**Suggested Time: 10 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-10 are completed during the Instruction Recordings.*

**Task 1:** Watch 11.1 Instruction Recording

**Task 2:** Assignment: TB 11.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 11.2 Instruction Recording

**Task 4:** Assignment: TB 11.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch 11.3 Instruction Recording

**Task 6:** Assignment: TB 11.3 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch Unit 11 Review Recording

**Task 8:** Assignment: WB #11-20, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Assignment: WB #21-29, Check answers in back, use Solutions recording to help with corrections.

**Task 10:** Assignment: TB Unit 11 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 11:** Assignment: Singapore Math® Live's Unit 11 Test

**Dimensions Math 8B Unit 12: Mensuration of Pyramids, Cylinders, Cones, and Spheres**

**Suggested Time: 12 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-13 are completed during the Instruction Recordings.*

**Task 1:** Watch 12.1 Instruction Recording

**Task 2:** Assignment: TB 12.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 12.2 Instruction Recording

**Task 4:** Assignment: TB 12.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch 12.3 Instruction Recording

**Task 6:** Assignment: TB 12.3 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch 12.4 Instruction Recording

**Task 8:** Assignment: TB 12.4 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Watch Unit 12 Review Recording

**Task 10:** Assignment: WB #14-26, Check answers in back, use Solutions recording to help with corrections.

**Task 11:** Assignment: WB #27-39, Check answers in back, use Solutions recording to help with corrections.

**Task 12:** Assignment: TB Unit 12 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 13:** Assignment: Singapore Math® Live's Unit 12 Test

## **Dimensions Math 8B Unit 13: Data Analysis**

**Suggested Time: 10 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-13 are completed during the Instruction Recordings.*

**Task 1:** Watch 13.1 Instruction Recording

**Task 2:** Assignment: TB 13.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 13.2 Instruction Recording

**Task 4:** Assignment: TB 13.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch 13.3 Instruction Recording

**Task 6:** Assignment: TB 13.3 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch Unit 13 Review Recording

**Task 8:** Assignment: WB #14-23, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Assignment: WB #24-33, Check answers in back, use Solutions recording to help with corrections.

**Task 10:** Assignment: TB Unit 13 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 11:** Assignment: Singapore Math® Live's Unit 13 Test

**Dimensions Math 8B Unit 14: More about Quadratic Equations**

**Suggested Time: 14 Days**

**TB = Textbook; WB = Workbook**

*Note: WB #1-10 are completed during the Instruction Recordings.*

**Task 1:** Watch 14.1 Instruction Recording

**Task 2:** Assignment: TB 14.1 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 3:** Watch 14.2 Instruction Recording

**Task 4:** Assignment: TB 14.2 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 5:** Watch 14.3 Instruction Recording

**Task 6:** Assignment: TB 14.3 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch 14.4 Instruction Recording

**Task 8:** Assignment: TB 14.4 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 7:** Watch 14.5 Instruction Recording

**Task 8:** Assignment: TB 14.5 Exercises, Check answers in back, use Solutions recording to help with corrections.

**Task 9:** Watch Unit 14 Review Recording

**Task 10:** Assignment: WB #11-20, Check answers in back, use Solutions recording to help with corrections.

**Task 11:** Assignment: WB #21-29, Check answers in back, use Solutions recording to help with corrections.

**Task 12:** Assignment: TB Unit 14 Review, Check answers in back, use Solutions recording to help with corrections.

**Task 13:** Assignment: Singapore Math® Live's Unit 14 Test



## **Dimensions Math 8B Cumulative Review and Exam**

**Suggested Time: 5 Days**

**Task 1:** Review Units 8-9 by re-working the tests for those units.

**Task 2:** Review Units 10-11 by re-working the tests for those units.

**Task 3:** Review Units 12-13 by re-working the test for this unit.

**Task 4:** Review Units 14 by re-working the tests for those units.

**Task 5:** Complete Singapore Math® Live's Dimensions Math 8B Cumulative Exam