

# Math Makes Sense 9

## **Chapter 7: Similarity and Transformations**

**Key Words:** Either now or as you work through this chapter, define, illustrate or give an example of each word or idea: **scale diagram, corresponding lengths, scale factor, proportion, similar polygons, corresponding angles, corresponding sides, rotational symmetry, order of rotation, angle of rotation symmetry.**

**First, take the Practice Test on Page 380. Score your test and give yourself a per cent. \_\_\_\_\_ %**

**Review pages 316 – 317: What Should I Recall? Do the CHECK.**

## **Topic: 7.1 Scale Diagrams and Enlargements**

**Read and study pages: 318 – 322**

**Give special attention to: Examples 1, 2, & 3. NB:** When working through the assigned exercises and activities, you should check ALL your answers using the answer guide at the back of the book. Do **NOT** proceed to the next set of questions until you have corrected the section you are working on. I.e.: Do not wait to correct your answers till you have finished the whole page of assigned questions. Go back and **re-read** the notes and examples till you understand the concept when you are stuck or not getting something.

**Basic Assignment: CHECK Q's: #'s 4 & 5**

**APPLY Q's: #'s 6 to 10**

**ASSESSMENT FOCUS: Q's: #'s 11, 14, 15**

**Challenge Assignment: Q's: # 16**

## **Topic 7.2: Scale Diagrams and Reductions**

**Read and study pages: 325 – 328.**

**Give special attention to: Examples 1 & 2 .**

**Basic Assignment: CHECK Q's: 4, 5 & 6**

**APPLY Q's:7 to 16.**

**ASSESSMENT FOCUS: Q's: #'s 17 to 20- choose 2.**

**Challenge Assignment: Q's: #' 21**

## **Topic 7.3: Similar Polygons**

**Read and study pages: 334 - 340**

**Give special attention to: Examples 1, 2 & 3,**

**Basic Assignment: CHECK Q's: #'s 4 to 8**

**APPLY Q's: #'s 9 - 11**

**ASSESSMENT FOCUS: Q's: #'s 12 – 15**

**Challenge Assignment: Q's: #'s16, 17**

## **Topic 7.4: Similar Triangles**

**Read and study pages: 343- 348**

**Give special attention to: everything!**

**Basic Assignment: CHECK Q's: #'s 4 - 5,**

**APPLY Q's: #'s 6, 7, ASSESSMENT FOCUS: Q's: # 14**

**ASSESSMENT FOCUS: Q's: #'s 8 to 12**

**Challenge Assignment: Q's: #'s 13 to 15**

**Mid Unit Review, page 352**

**Topic 7.5: Reflections and Line Symmetry**

**Read and study pages: 353 - 357.**

**Give special attention to: everything! Read and re-read.**

**Basic Assignment: CHECK Q's: # 3**

**APPLY Q's: 4 to 6.**

**ASSESSMENT FOCUS: Q's: #'s 7 - 9**

**Challenge Assignment: Q's: # 11**

**Topic 7.6: Rotations and Rotational Symmetry**

**Read and study pages: 361 - 365.**

**Give special attention to: everything! Read and re-read.**

**Basic Assignment: CHECK Q's: #'s 4 - 6**

**APPLY Q's: #'s 7 to 12**

**ASSESSMENT FOCUS: Q's: #'s 13 - 15**

**Challenge Assignment: Q's: # 16**

## Topic 7.7: Identifying Types of Symmetry on the Cartesian Plane

Read and study pages: 368 - 372.

Give special attention to: everything! Read and re-read.

Basic Assignment: CHECK Q's: #'s 3 - 5

APPLY Q's: #'s 6 to 11

ASSESSMENT FOCUS: Q's: #'s 12 - 15

Challenge Assignment: Q's: # 16

Study Guide, page 376

Review thoroughly

Chapter Review, page 377-379

Do ALL questions #'s 1 to 19 on pages 377-379.

Lastly, take the Practice Test on Page 380. Score your test and give yourself a per cent. \_\_\_\_\_%. Did you do better than you did last time?

