

Assessment Organizer

Assessment Using the Achievement Chart

The following chart identifies the *Practise, Apply, Solve* questions in the text that are linked to the Achievement Chart and where in the Teacher Resource you will find support for using them for assessment purposes. Additional suggestions are provided throughout the teaching notes. Generic rubrics that provide guidelines for assessing Knowledge and Understanding, Communication, Application, and Thinking, Inquiry, Problem Solving can be found in the Assessment section.

Section	Knowledge and Understanding	Communication	Application	Thinking, Inquiry, Problem Solving	Teacher Resource Reference #
4.2	#6, text p. 314	#11, text p. 315		#17, text p. 316	p. 4-15
4.3	#4, text p. 326	#12, text p. 326	#13, text p. 326	#15, text p. 327	p. 4-19
4.4	#9, text p. 332	#16, text p. 333	#15, text p. 333	#17, text p. 333	p. 4-24
4.6	#10, text p. 347	#14, text p. 347	#19, text p. 348	#18, text p. 348	p. 4-35
4.8	#9, text p. 354	#11, text p. 354	#18, text p. 355	#15, text p. 355	p. 4-40
4.9	#10, text p. 360	#6, text p. 359	#12, text p. 360	#16, text p. 360	p. 4-44
4.11	#8, text p. 370	#7, text p. 370	#15, text p. 371	#19, text p. 371	p. 4-52

Chapter Test

A sample chapter test is on p. 4-75 with sample solutions on p. 4-77.

Opportunities for Student Self-Assessment

Students can assess whether they understand important ideas and concepts using the following text features.

Check Your Understanding Questions	Chapter Review Check Your Understanding	Chapter Review Sections 4-1 – 4-12	Chapter Review Test	Cumulative Review Test
4.1 #14, text p. 307 4.2 #18, text p. 316 4.3 #16, text p. 327 4.4 #18, text p. 333 4.5U #14, text p. 337 4.6 #16, text p. 347 4.8 #16, text p. 355 4.9 #13, text p. 360 4.10U #15, text p. 363 4.11 #18, text p. 371 4.12 #11, text p. 376	text p. 377	text p. 378	text p. 387	text p. 389

Performance Tasks for Chapters 3 and 4

The following Performance Tasks, found after Chapter 4, can be used for assessment purposes when students complete Chapter 4.

Activity	Timing	Teacher Resource Reference
#3 Exponential Equations, p. 392	less than 75 min	p. PT-31
#4 Graphing Complex Numbers, p. 393	less than 75 min	p. PT-33
#7 Fractals, p. 395	less than 75 min	p. PT-42
#8 Presenting Math, p. 395	more than 75 min	p. PT-44
#9 Demonstrating Math, p. 396	more than 75 min	p. PT-46
#10 How Fast?, p. 396	more than 75 min	p. PT-49