

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 and Evaluation section.

Section	Knowledge and Understanding	Communication	Application	Thinking, Inquiry, Problem Solving	Teacher Resource Reference #
7.1	# 4, text p. 574	#9, text p. 575	#16, text p. 576	# 19, text p. 576	p. 7- 10
7.2	#6, text p. 582	#9, text p. 582	#10, text p. 582	#17, text p. 583	p. 7- 15
7.4	#3, text p. 591	#7, text p. 592	#19, text p. 594	#13, text p. 593	p. 7- 22
7.6	#2, text p. 602	#5, text p. 602	#10, text p. 603	#19, text p. 604	p. 7- 28
7.9	#4, text p. 615	#9, text p. 616	#17, text p. 617	#19, text p. 617	p. 7- 37
7.10	#2, text p. 621	#9, text p. 622	#14, text p. 622	#17, text p. 622	p. 7- 41
7.11	#6, text p. 626		#8, text p. 627	#18, text p. 628	p. 7- 43

Chapter Test

A sample chapter test is on page 7-55 with sample solutions on page 7-56.

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 Section 1-1 – 1-11	Chapter Review Test	Cumulative Review Test
7.1 # 17, text p. 576 7.2 # 15, text p. 583 7.4 #18, text p. 594 7.6 #16, text p. 603 7.9 #18, text p. 617 7.10 #18, text p. 622	text p. 629	text p. 629	text p. 633	text p. 635

Performance Tasks for Chapter 7

All of the Performance Tasks at the end of Chapter 7 can be used for assessment purposes once students have worked through this chapter.

Activity	Timing	Teacher Resource Reference
Task #1 Orbiting the Earth, p. 640	less than 70 m	p. PT-80
Task #2 Conics and Foci, p. 640	less than 70 m	p. PT-82
Task #3 What Are the Equations?, p. 640	less than 70 m	p. PT-84
Task #4 What Are the Solutions?, p. 641	less than 70 m	p. PT-86
Task #5 Blaise Pascal, p. 641	more than 70 min	p. PT-89
Task #6 Constructing an Ellipse, p. 642	more than 70 min	p. PT-91