

STUDENT COMPANION

N	AME:			
IV				



> HERE IS YE FIRST TASK >

Determine if the following right triangles (a-f) are Pythagorean Triples. Explain the process you utilized to determine if the right triangles are Pythagorean Triples.

(a) 3, 4, 5 (b) 6, 8, 10 (c) 5, 12, 13 (d) 7, 24, 25 (e) 10, 24, 26 (f) 9, 12, 15



You are a member of Davy Drake's crew and he constructs a right triangle using three squares on the deck of the Deceit of the Sea. You calculate the area of the square off the hypotenuse and ascertain 130 square feet.

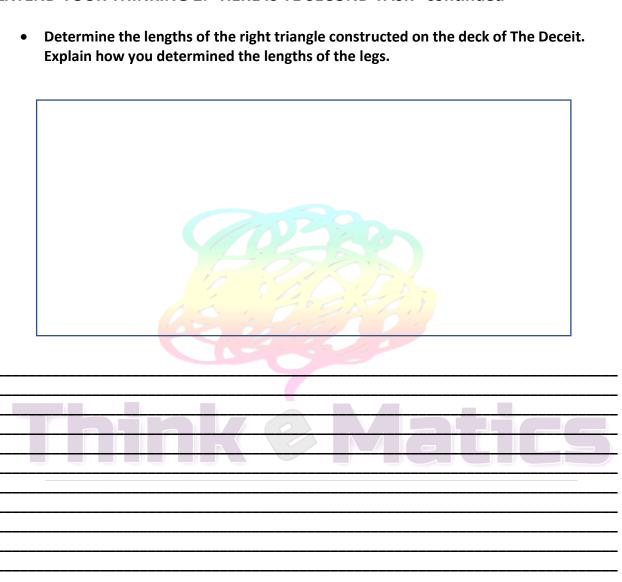
• If the square of the hypotenuse of the right triangle is 130 square feet, will the length of the hypotenuse be a whole number? Explain why or why not?



EXTEND YOUR THINKING 2: "HERE IS YE SECOND TASK" continued

			7,5			
				(i)		
		1.66				
				G	i	
				G		
				G		
				G		

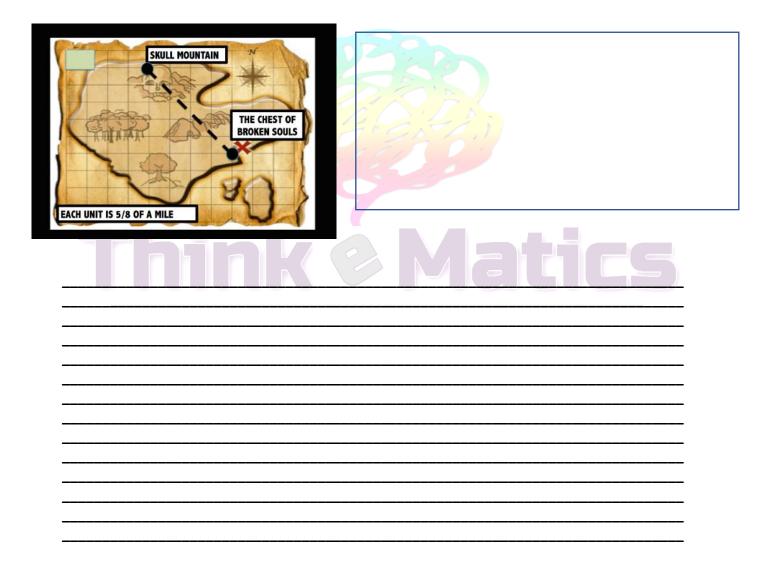
EXTEND YOUR THINKING 2: "HERE IS YE SECOND TASK" continued



• Utilizing a Geometry application, construct a diagram that proves the area of the square on the hypotenuse is 130 square feet. Show all computational strategies.



Calculate the distance from Skull Mountain to the Chest of Broken Souls. Explain how you ascertained this distance.



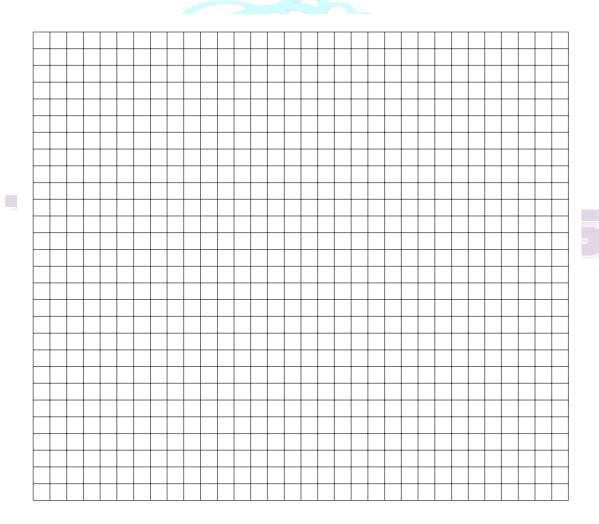


THE LEGEND OF DAVY DRAKE

HIGHER ORDER THINKING

QUESTIONS

(H.O.T. Level 1): Explain how you can use the Pythagorean Theorem to find the distance between (-6, 3) and (5, 4) on a coordinate grid.



(H.O.T. Level 2): The following triangle is a right triangle: 120 cm, 160 cm, 200 cm. How

			9/1			
	C					
		76-				

	y? 		
 Q:		346	
			

