

Picking Pizzas

Cheap Chuck and his friend are going out for pizza. Chuck knows that one small pizza will not be enough. The menu lists three sizes: the small for \$5, the medium for \$8 and the large for \$11.

(a) What additional information is required to for Chuck to select the best value (the most pizza for the money)?

(b) Here are some additional facts: Chuck has \$25 on him, and he doesn't mind taking home the leftovers for tomorrow's breakfast. The small pizza is 8 inches in diameter, the medium is 12 inches in diameter and the large has a 16 inch diameter. Using these facts, which choice gives the most pizza for the money? Show your calculations:

(c) Chuck then notices that there is a special on medium pizzas. If you buy one medium, you get the second medium for half price. Would the special be a better value than the choices above? Show the calculations that support your answer:

Note: There may be several ways to organize the information needed for your responses to these questions. You might consider tables, graphs, charts and/or equations. Start exploring what your calculator will do for you. Use this sheet as a draft worksheet. Once you have determined your answers, word process your responses to a, b and c in a separate report.