

Pallets of Money Problem



Extra Credit Assignment

Solve and write-up how you solved the problem below. All work must be shown and correct in order to receive credit.

Problem

Preston wants to find out which pallet of coins(pennies, nickels, dimes, quarters) will be worth the most money. The pallet can hold 4000 kg and can be stacked at most 1 meter high. Using the information below, find which pallet(pennies, nickels, dimes, or quarters) will be worth the most money.

Coin	Diameter of coin	Thickness of coin	Weight of coin
Penny	19.05 mm	1.52 mm	2.5 g
Nickel	21.21 mm	1.95 mm	5 g
Dime	17.91 mm	1.35 mm	2.268 g
Quarter	24.26 mm	1.75 mm	5.67 g

Pallet size: 40 inches by 48 inches

1 inch = 2.54 cm