

Exemplars

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P/S	R/P	Com	Con	Rep	A/Level

Buying Plastic Plates ○

Buying Plastic Plates

The Webster family is planning a barbecue for one hundred people.

The Webster family needs one plastic plate for each person at the barbecue. The Stop and Shop store and Market Place Store both sell plastic plates in packages of fifteen for five dollars and forty-eight cents per package. How many packages of plastic plates does the Webster family need to buy?

Packages of plastic plates are on sale for one-half off the regular price at the Stop and Shop store. Packages of plastic plates are on sale for buy one, get one free at the Market Place store. Which store is offering the better buy for plastic plates? Show all your mathematical thinking.

package for 15 plastic plates = 5.48

$5.48/2$

stop and shop store = package for 15 plastic plates divided by 2 ($5.48/2$)

$15 \times 2 = 30$

market place store = package for 15 plastic plates buy get 1 free

$30 \times 2 = 60$

$60 = 5.48 \times 2$

$10.96 = 60$

60

75

90

105