

Plastic Fantastic

ACTIVITY

Pete's syndicate is raising funds for a trip to Stewart Island by selling household items. Items for sale and the profit made on each are:

Packets of pegs (\$3 per packet)

There are 40 packets
in a box.

Packets of sponges (\$4 per packet)

There are 30 packets
in a box.

Buckets (\$2 each)

These come in
stacks of 10.

The prize for the class that raises the most money is a pool party, and the class that sells the most packets or buckets gets a video night with food.

The following table shows the results for Pete's syndicate:

Room	Boxes of pegs	Boxes of sponges	Stacks of buckets
7	13	6	5
8	5	8	5
9	8	12	9
10	18	6	8
11	9	17	5

- Which class wins the prize for the most money raised?
- Which class wins the prize for the most items sold?



- Pete's class (Room 7) wishes they had won the pool party. Change Room 7's figures for all three items so that they raise up to \$50 more than the winning class.
- The syndicate wants to raise \$15,000 from the fund-raiser.
 - How much money have they raised already? (Ignore question 3.)
 - To raise the extra money, how much of each item would the syndicate need to sell? Give two different ways, using all three items.