Learner 1 - PC 1.1

Meets requirements for addition, subtraction, multiplication, division, integers, percentages, decimals and fractions

Rugby Fundraiser

Jack is organising a fundraising event for his rugby club.
He wants to know how much he should charge for each ticket to make a $4000 profit.

The costs involved are:
Hire of hall
Hire of band for 4 hours $402
Decorations $95.60
Catering (dinner) $18.25 per person
Printing (tickets) $2.20 per ticket
All the costs are GST inclusive.

If the total cost of the hall hire, band and decorations is $1547.60, what was the charge for the hall?

$$402$$
$$95.60$$
$$\overline{497.60}$$ ①

$$1547.60$$
$$497.60$$
$$\overline{1050.00}$$ ②

$1050

The rugby club has 520 members.
A survey indicates 70% of the members will attend the event.
Of those attending, ¾ will bring partners.

Work out how many people Jack can expect to come to the event and how much he should charge for each ticket in order to make a $4000 profit.

70% of 520 = 364 ③

$\frac{3}{4}$ × 364 = 273 ④

expect 364 + 273 = 637 people to come ⑤

tickets 637 × 2.20 = $1401.40 ⑥

catering 637 × 18.25 = $11625.25 ⑦

Total money 1547.60 + 1401.40 + 11625.25 = $14574.25 ⑧

With profit 14574.25 + 4000 = 18574.25 ⑨

each ticket 18574.25 ÷ 637 = 29.15 ⑩

probably charge $30