## Dlive Tail

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You need: a calculator
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We have 600 trees. Each produces about 20 kg of olives each season. We harvest the olives by raking them into nets spread on the ground and then tip them into 10 kg plastic bins. We take the bins to the press.

> UNITS
> kg $=$ kilograms
> L = litres
> mL $=$ millilitres


Charlotte does some "number crunching" and comes up with the following facts. Check each one. Is Charlotte correct? Explain why or why not.
a. Joan and Dave harvest a total of 1200 kg of olives from their grove.
b. The olives from 2 trees fit into 1 bin.
c. If they had to store all their harvested olives, Dave and Joan would need 1200 bins.
d. In an 8 hour day, the press can process 2000 kg of olives.
e. It takes 8 days to process Dave and Joan's olives.
f. If all 10 growers in Joan and Dave's group have the same sized grove, each produces 1440 L of oil.
g. Joan and Dave's olives produce 5760 bottles of oil.
h. If Joan and Dave pack all their bottles of oil in cartons, they'll need 188 of them.
i. Each carton holds 5 L of oil.
j. If Dave and Joan sell all their oil, they will earn $\$ 115,200$.
k. Each tree earns around $\$ 19.20$ each season.

