Practice task four

Dave's kayaks

Dave is starting up a kayaking company. To do so he must purchase the necessary equipment, which includes kayaks, skirts, paddles and life jackets. He gets quotes from two different companies.

He requires:

- 12 kayaks
- 20 paddles
- 8 skirts
- 22 life jackets

Calculate the cost of each of these options and recommend the best value to Dave. He wants to buy all his equipment from one supplier.

Kayaks Galore

The local store can provide:

- Kayaks for $125 each
- Paddles for $12 each
- Skirts for $35 each
- Life jackets for $49 each

These prices all exclude GST but since Dave is a local, the store will give him 10% off the total price.

Cheap Kayaks Ltd

This larger chain can provide:

- Kayaks for $134 each
- Paddles for $15 each
- Skirts for $27 each
- Life jackets for $51 each

These prices all include GST but there is a '$\frac{2}{5}$-off discount' on the life jackets. However, there is a $250 transport fee on each order.

From which shop will his equipment be cheaper?

State clearly any assumptions that you make and explain your reasoning. You should show all your working clearly.

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