

**MARKS**

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8. Suppose the weights in kilograms of the melons produced by a large market garden can be modelled by a normal distribution with a mean of 1 kg and a standard deviation of 0.25 kg. The selling price per saleable melon is \$3.00 for melons lighter than 0.8 kg, \$5.00 for those heavier than 1.3 kg, and \$4.00 for all others. Find the average selling price per melon for the market garden's crop of saleable melons.

Average price