1 Rani and Diksha go shopping for clothes.

(i) Rani buys 4 identical vests, 3 identical sweaters and 1 coat. Each vest costs $5.50 and the coat costs $90. The mean cost of Rani's 8 items is $29. Find the cost of a sweater. [3]

....

....

....

....

....

....

....

....

....

....

....

....

(ii) Diksha buys 1 hat and 4 identical shirts. The mean cost of Diksha's 5 items is $26 and the standard deviation is $0. Explain how you can tell that Diksha spends $104 on shirts. [2]

....

....

....

....

....

....

....

....