

Jackie and Mike have moved into a new home. They want to fix up the garden. Before they go ahead with the project they want to make some **estimates** to work out approximately what the cost will be.

Look at the information on the next page and answer the questions that follow.



Rockery stones

Cost per stone: \$12.95

Garden plants

Lemon myrtle \$14.88 each

Grevillia firecracker \$16.74 each

Gymea lily \$19.89 each

Garden mulch

\$5.15 per 20 L bag



Citrus trees

Orange tree \$22.60

Lemon tree \$14.70

BBQ area

BBQ: \$449

Paving stones: \$255

Outdoor setting: \$438

Fountain

fountain: \$800

installation cost: \$546

1. Jackie and Mike want to make a rockery. Estimate the cost of the stones if they need 20 rockery stones. Use the space below to show your working and explain your answer.

2. They want to add some native plants to their rockery. Estimate the cost of buying 2 lemon myrtles, 1 grevillea firecracker and 3 gymealillies. Use the space below to show your working.

3. They also need to buy mulch to put on the garden bed. They need 60 litres. Estimate how much it will cost. Use the space below to show your working and explain your answer.

4. Use rounding to estimate the total cost of the new garden mulch and plants. Use the space below to show your working and explain your answer.




5. If Jackie and Mike have a budget of \$400, will they have enough money to create their garden? How much money will they have left? Use the space below to show your working and explain your answer.



6. Jackie would like to plant some citrus trees in the garden. Would she have enough left over in the budget to buy both a lemon and an orange tree? Use the space below to show your working and explain your answer.



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7. In another month, Jackie wants to add either a bbq or a feature fountain to the garden area. She will choose the project that is the cheapest option. Estimate the cost of each option. Which garden project would be the cheapest - the bbq area or the feature fountain?

8. Mike and Jackie estimate will they have \$1200 to spend next month on the garden. Will they be within the budget for the cheapest option? How much will the cheapest project be over or under their budget?