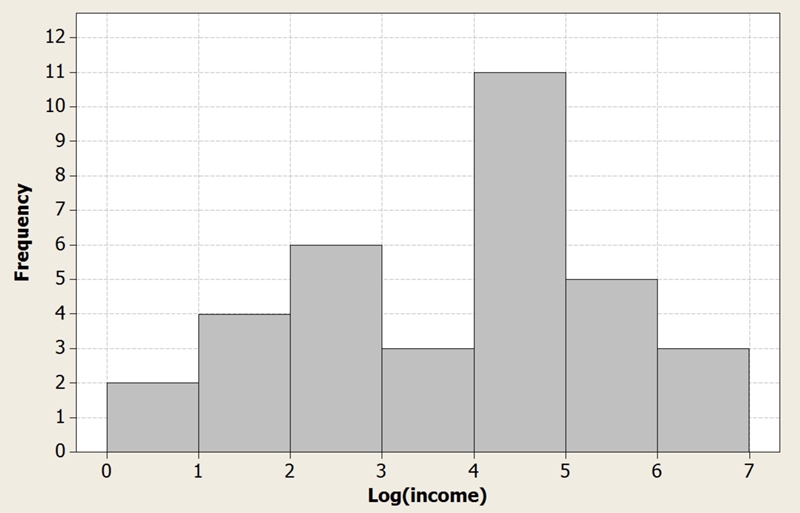
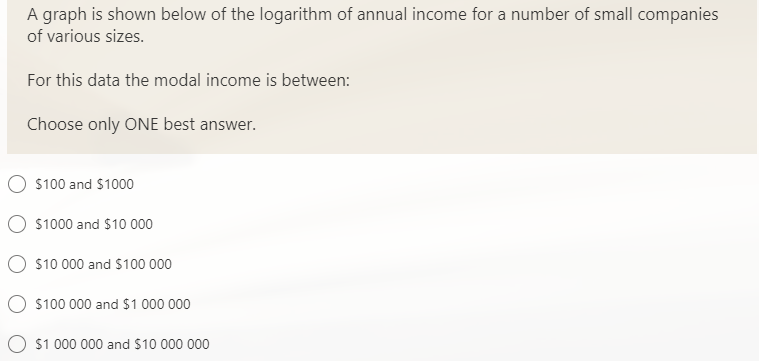
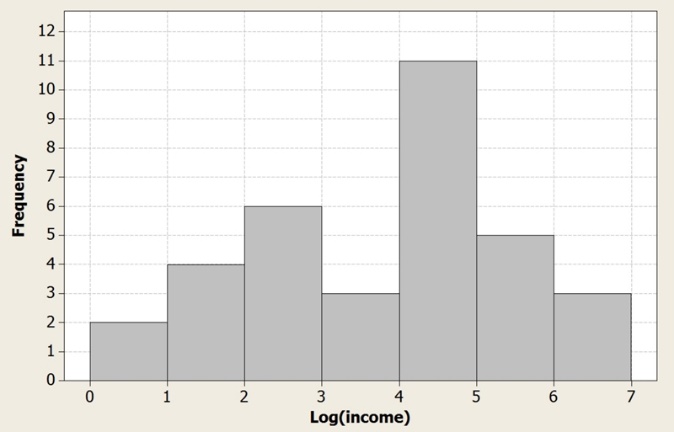
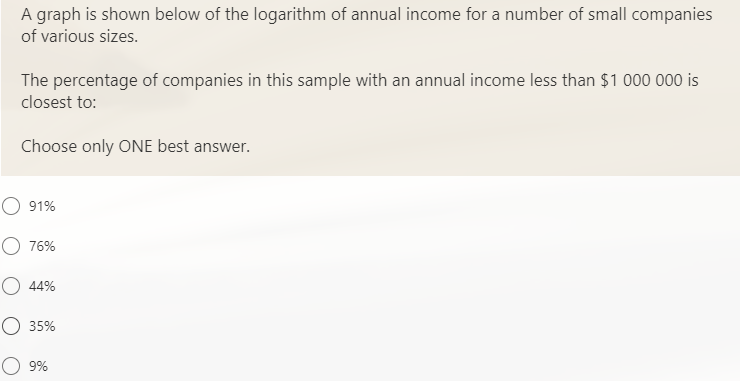


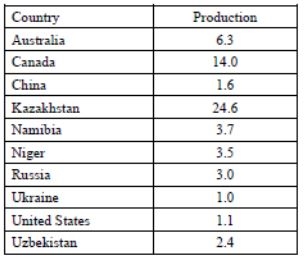
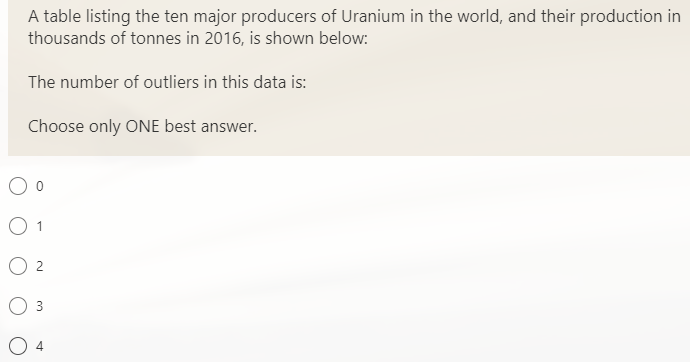
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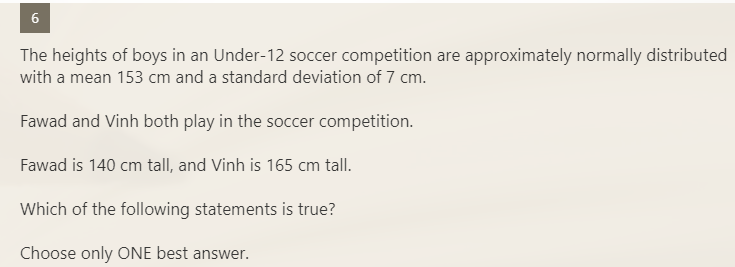


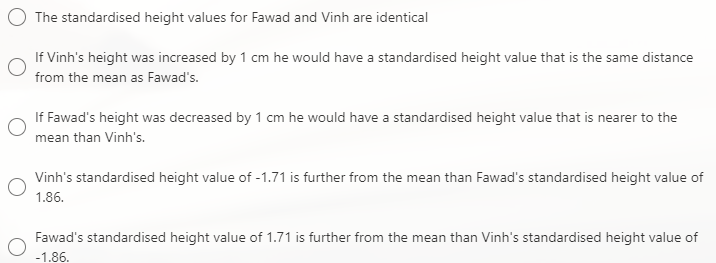
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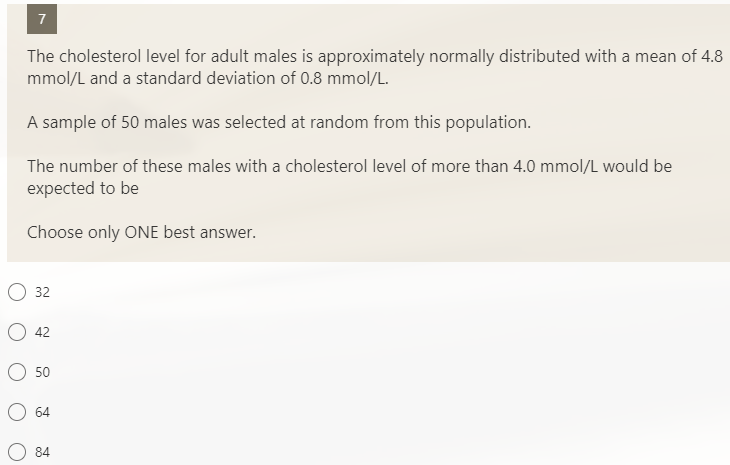


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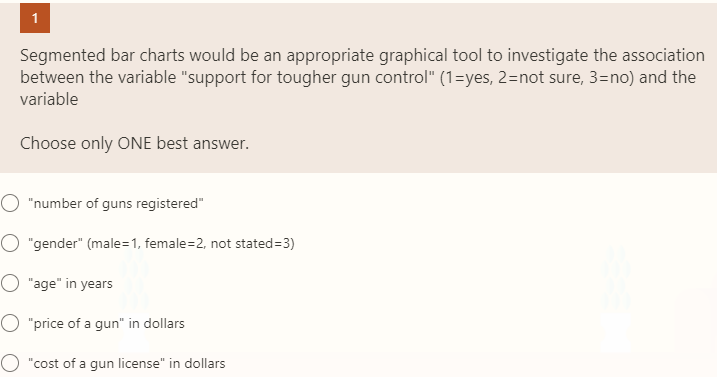


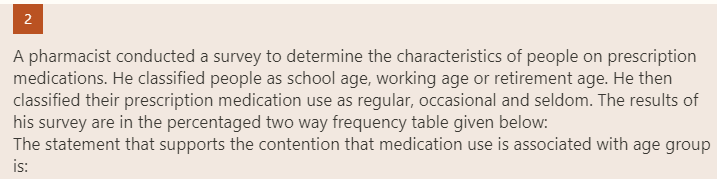


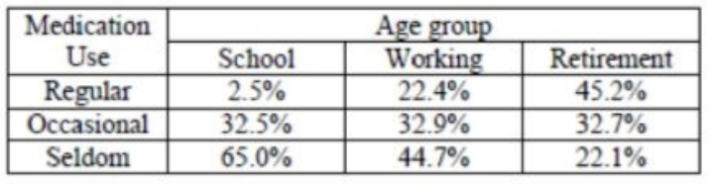


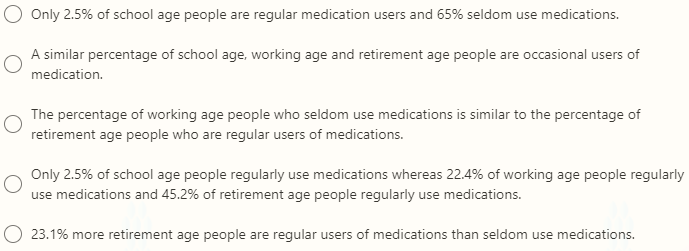




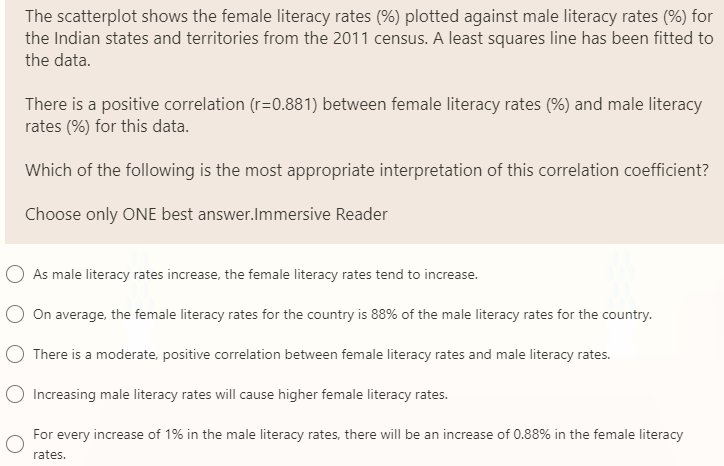


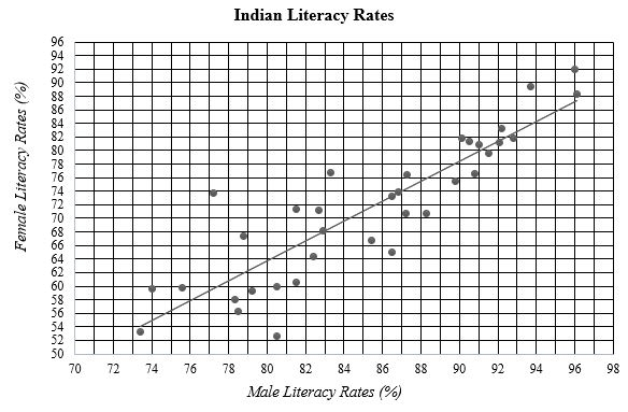


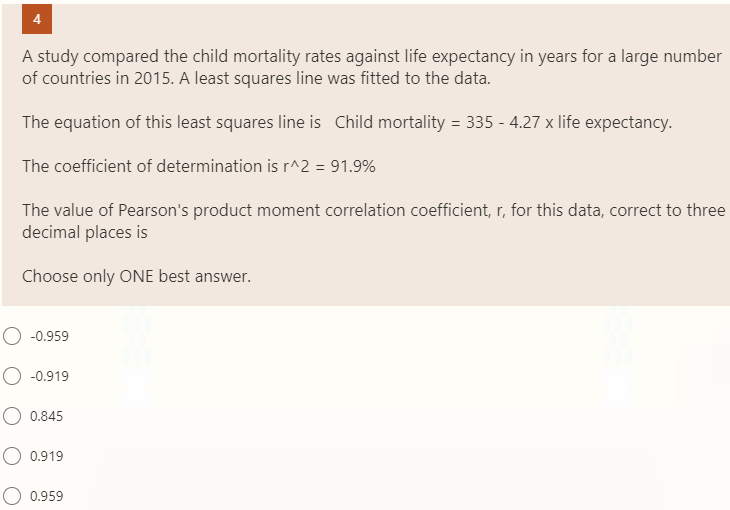




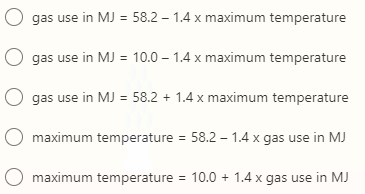
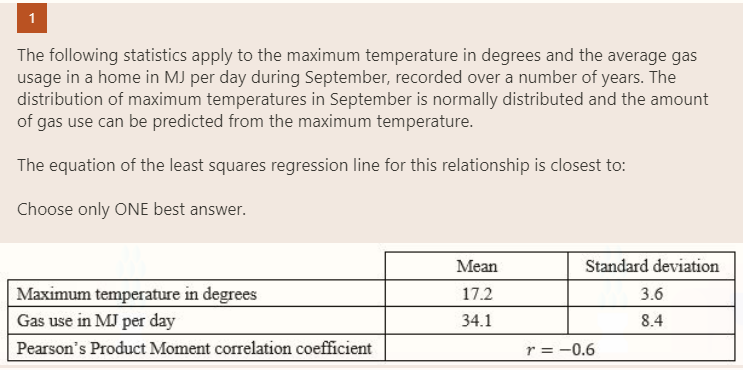
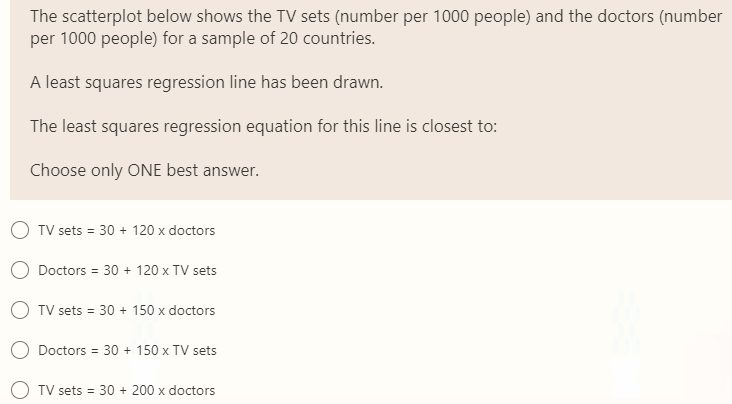
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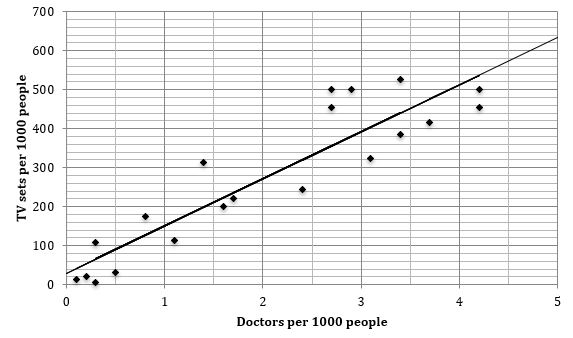


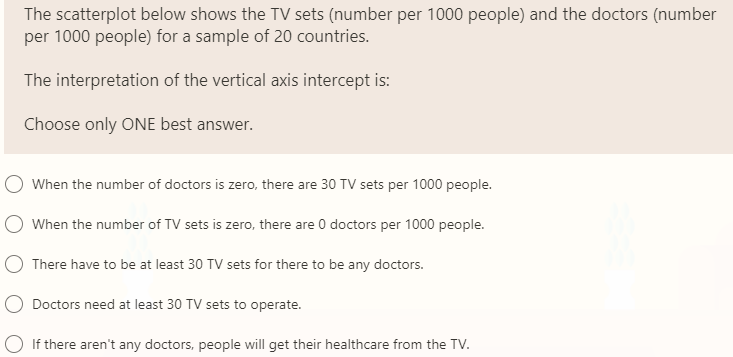


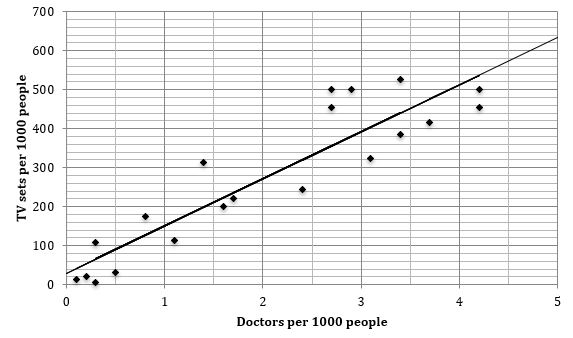




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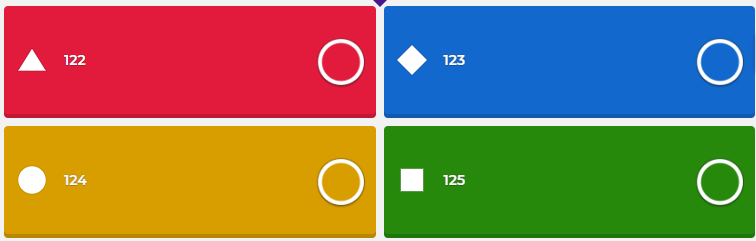
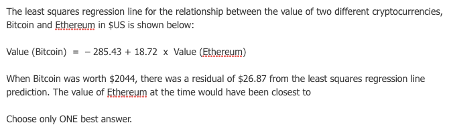


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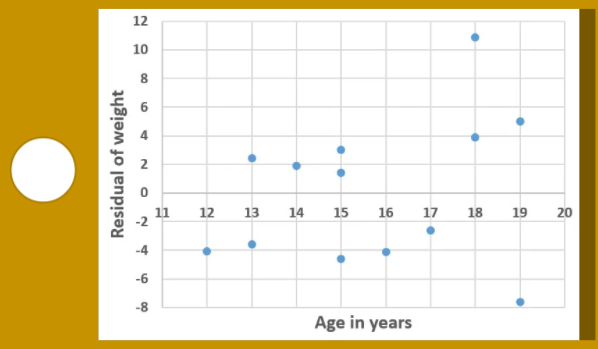
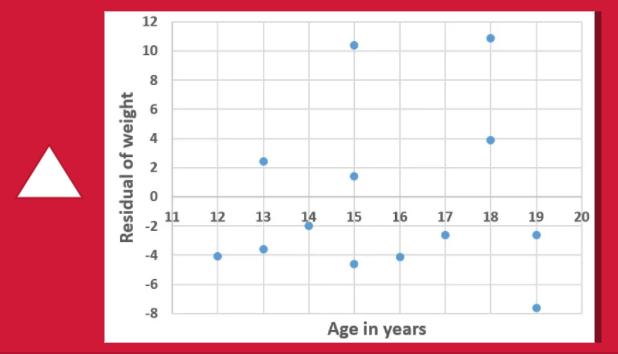
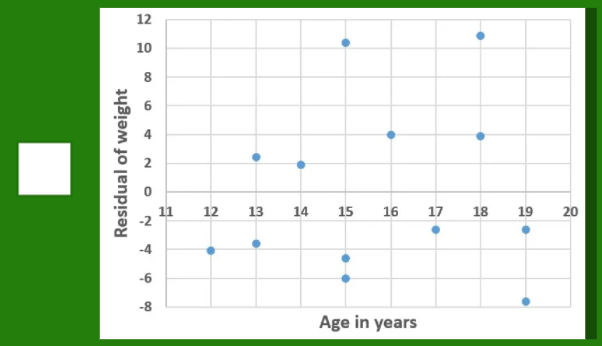
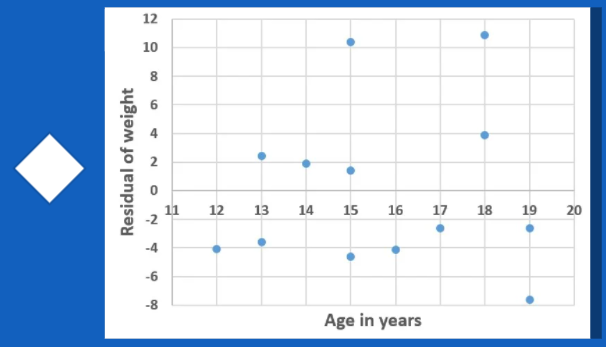
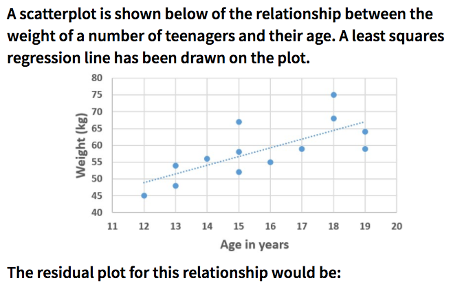




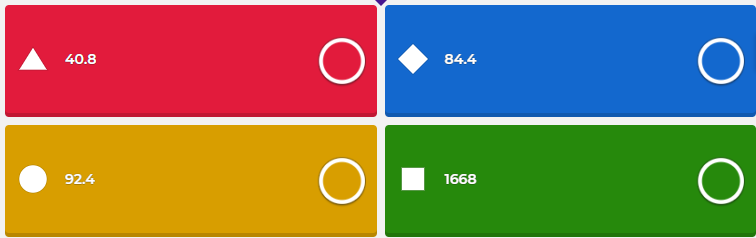
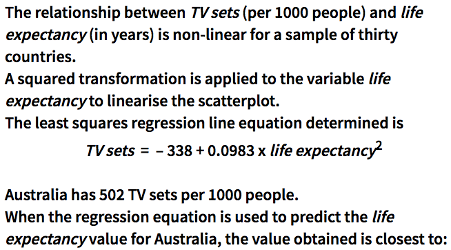
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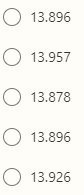
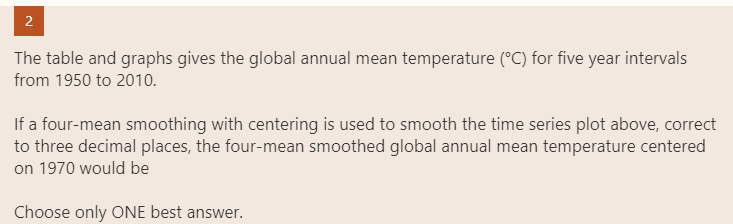
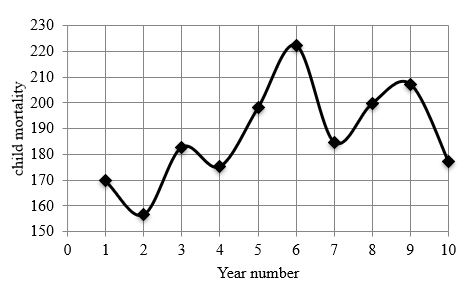
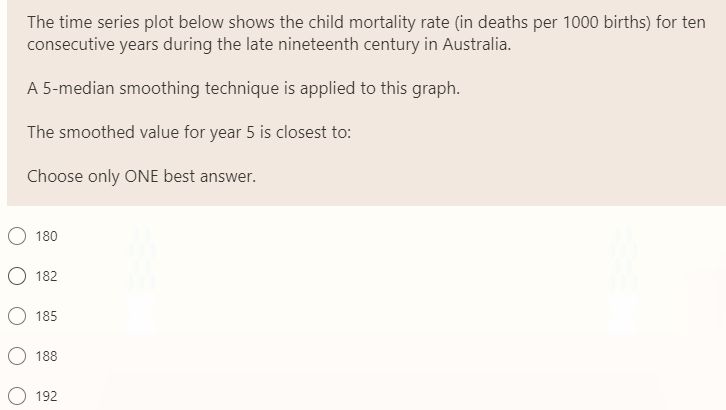


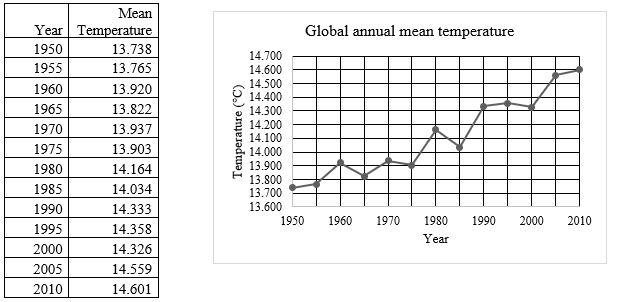
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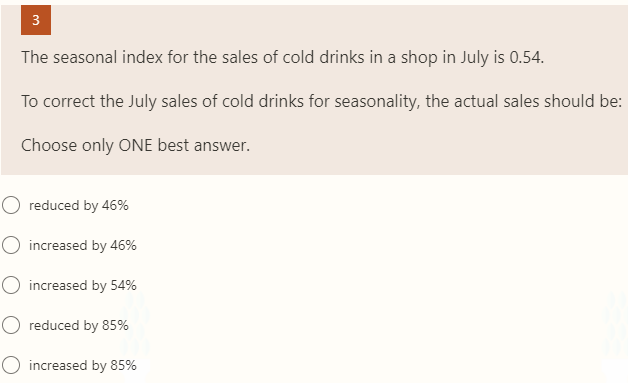


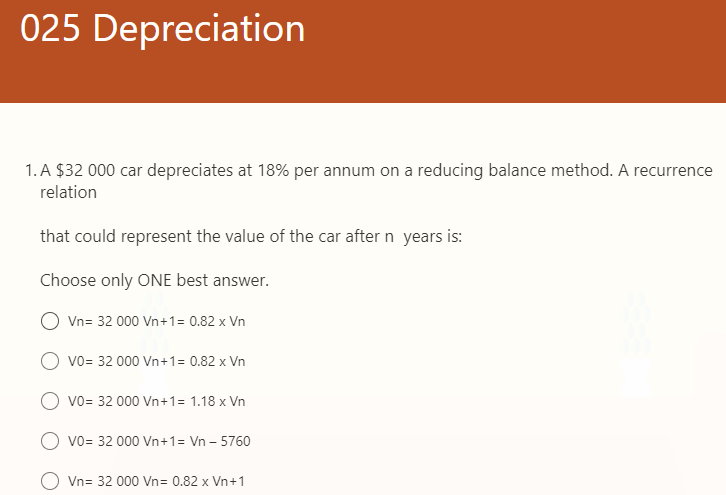


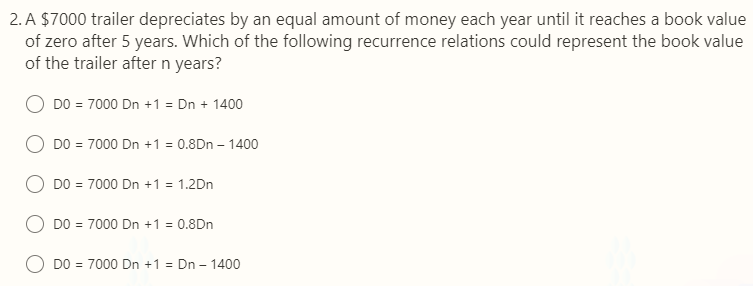
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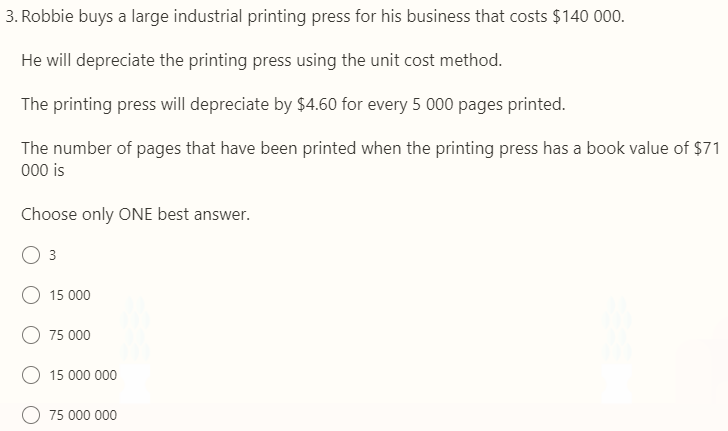


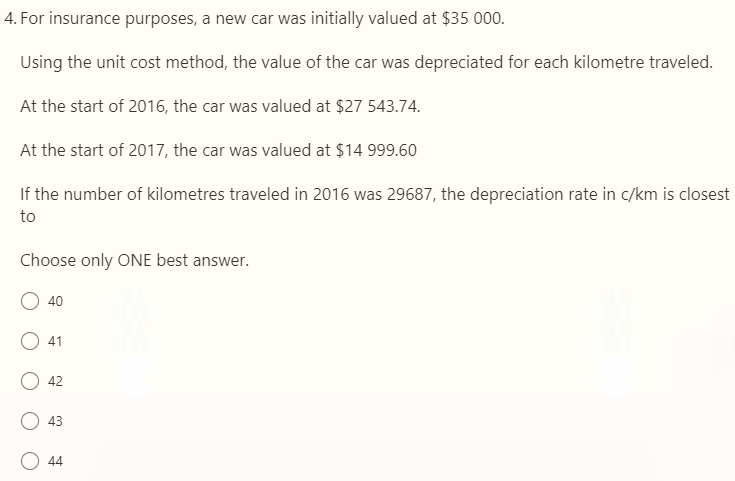


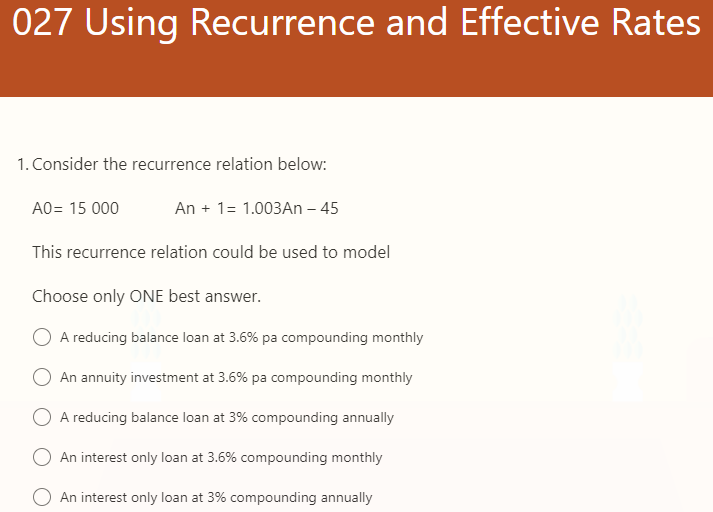


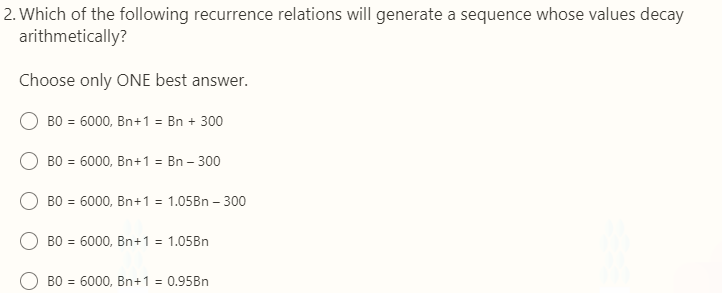


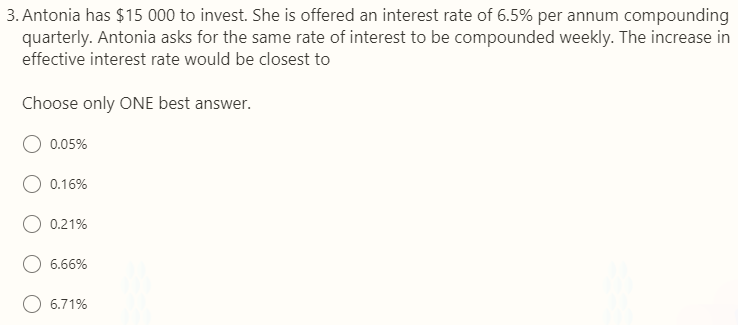


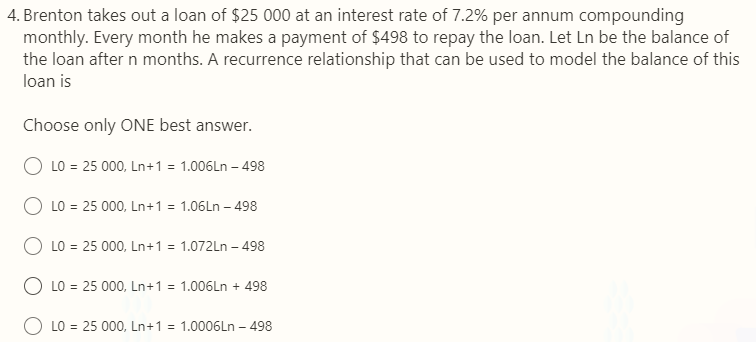


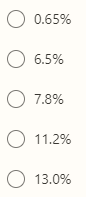
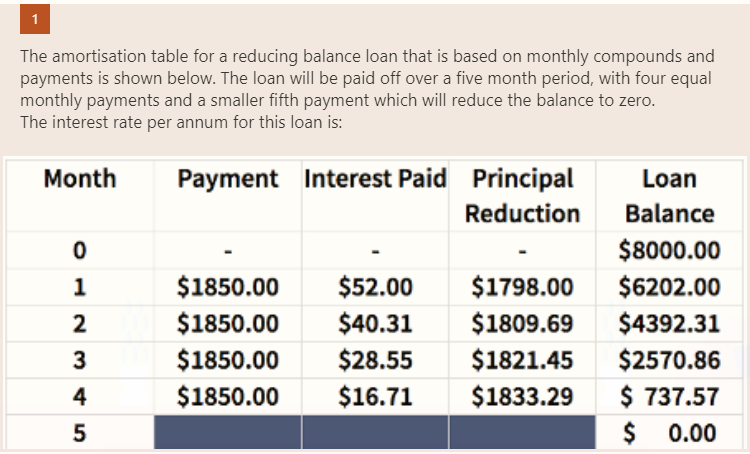


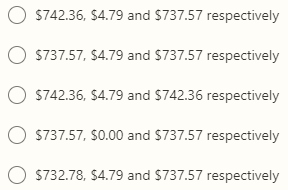
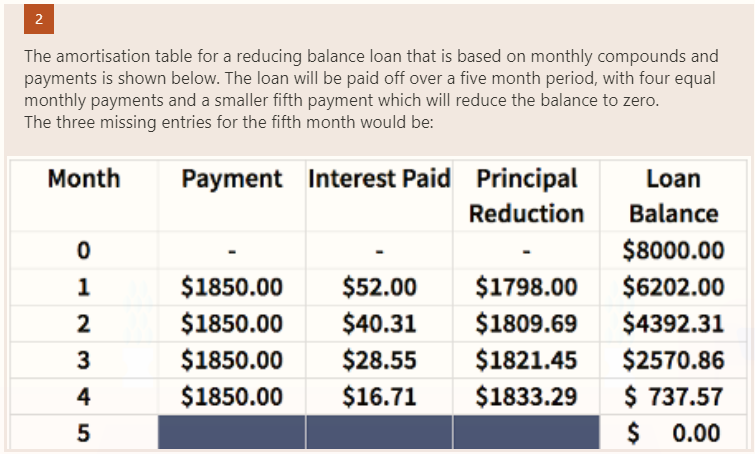


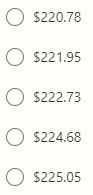
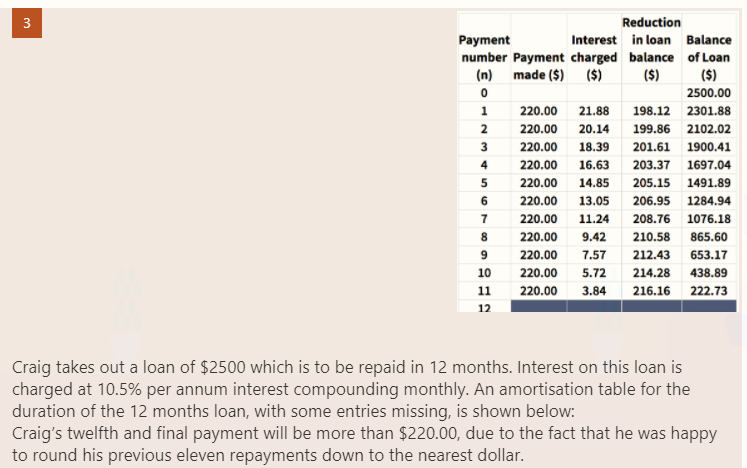


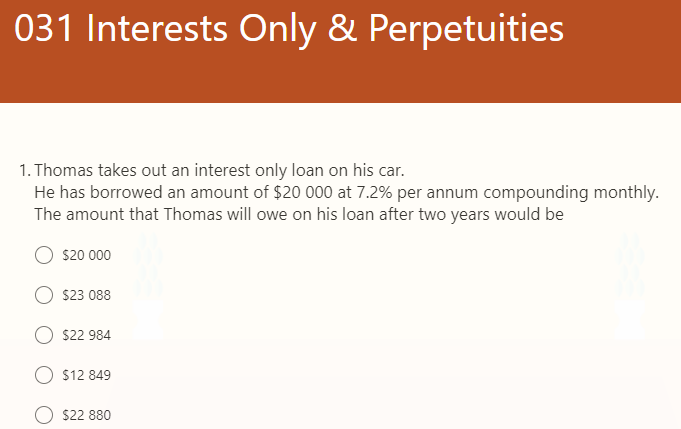


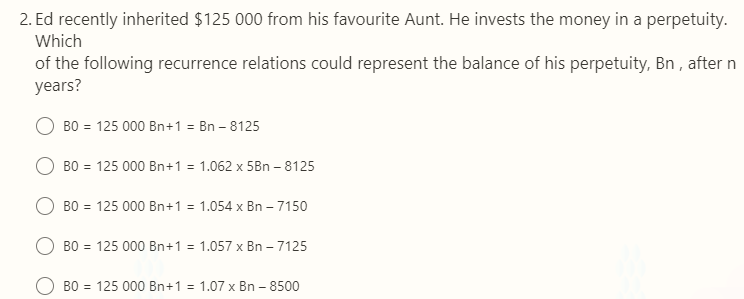


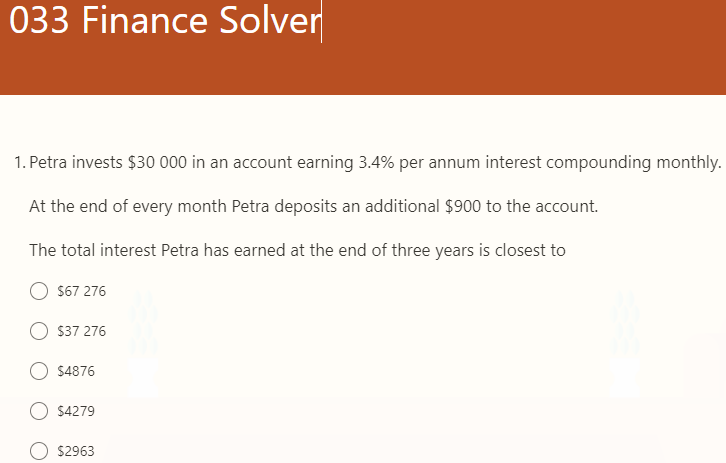


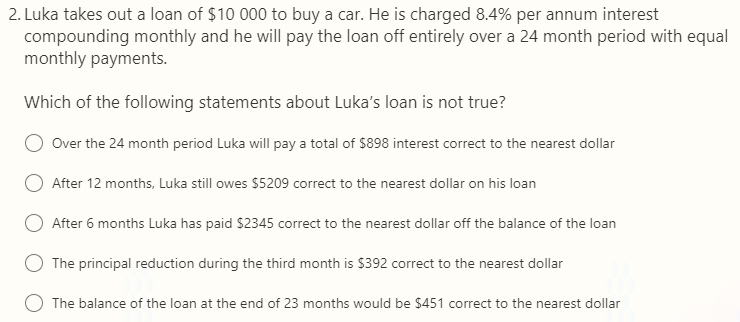


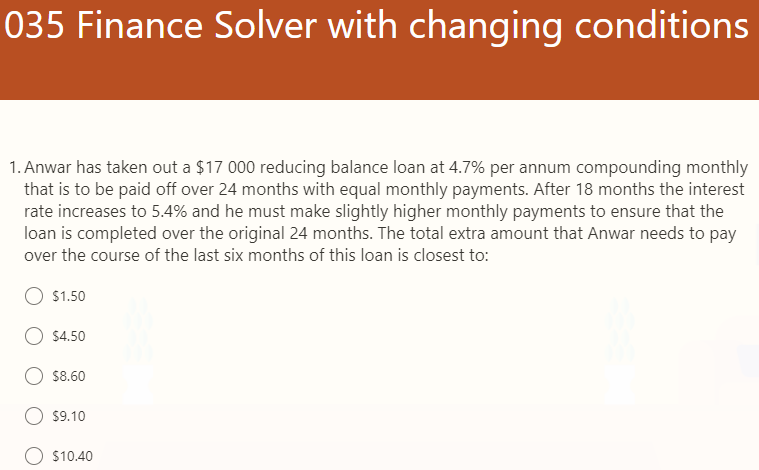


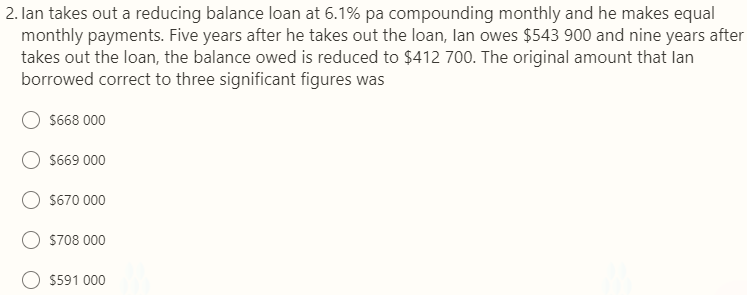


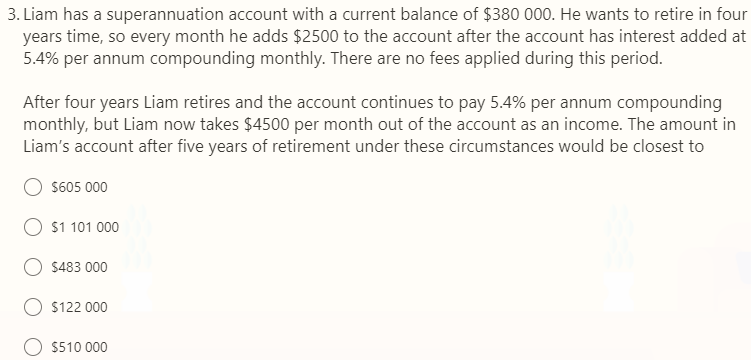






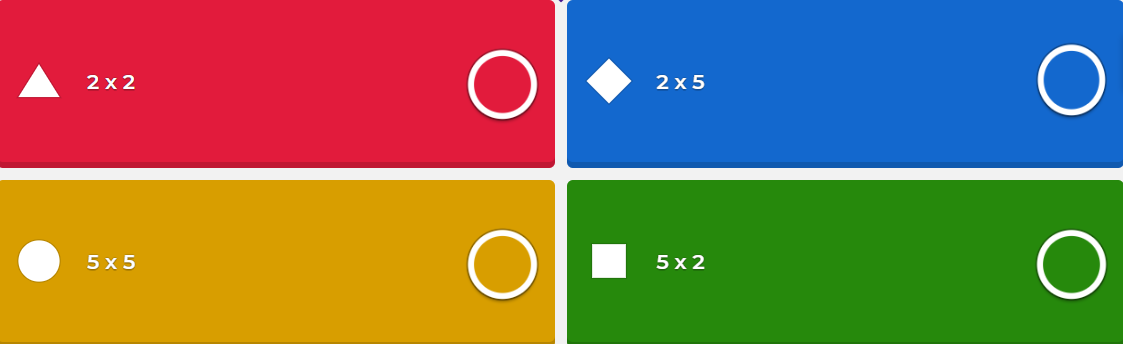
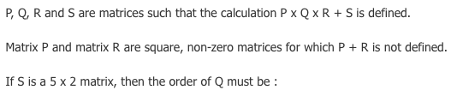




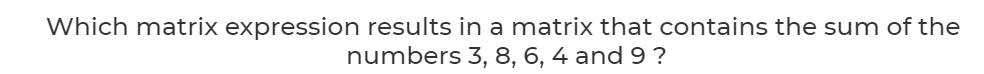


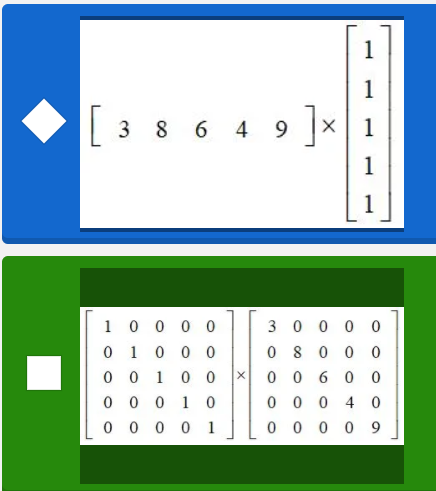
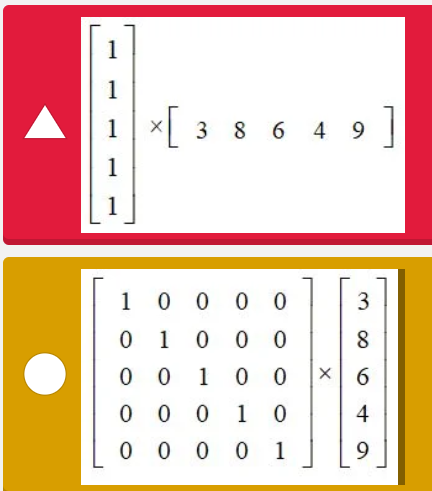


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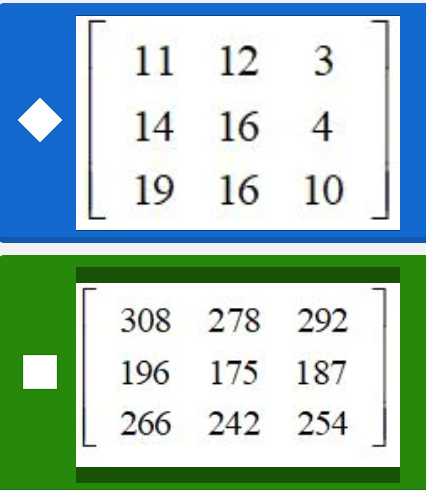
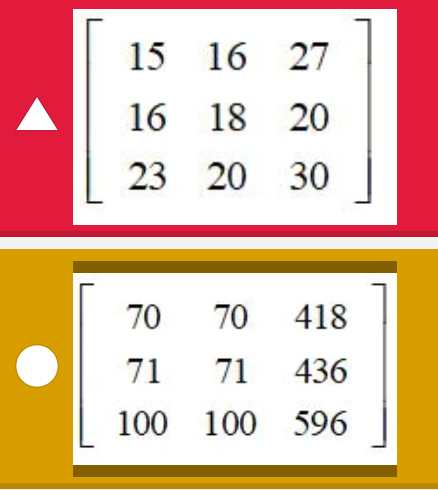
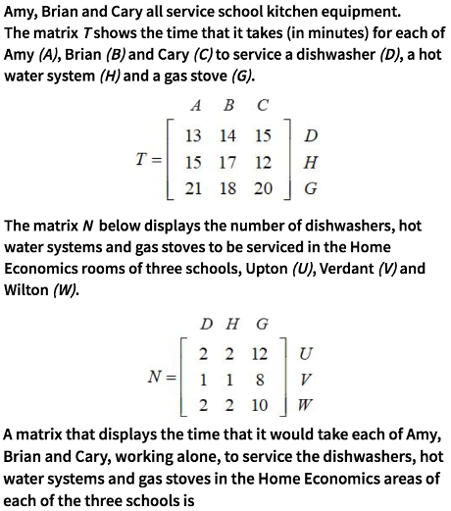
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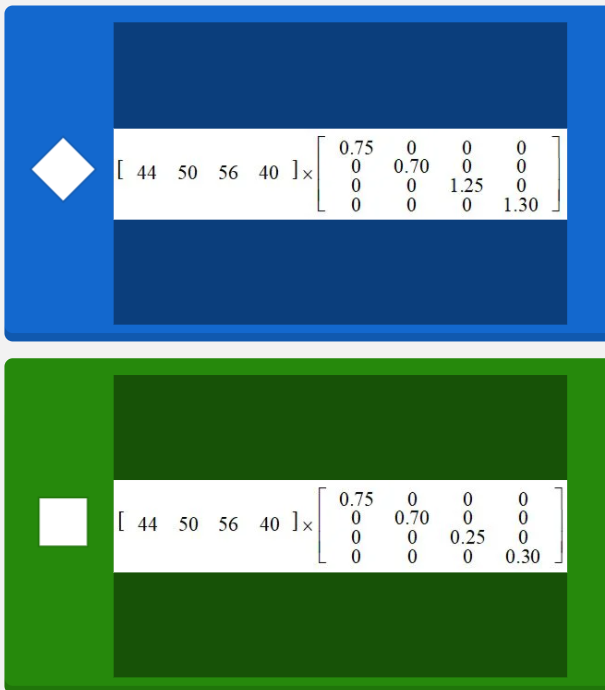
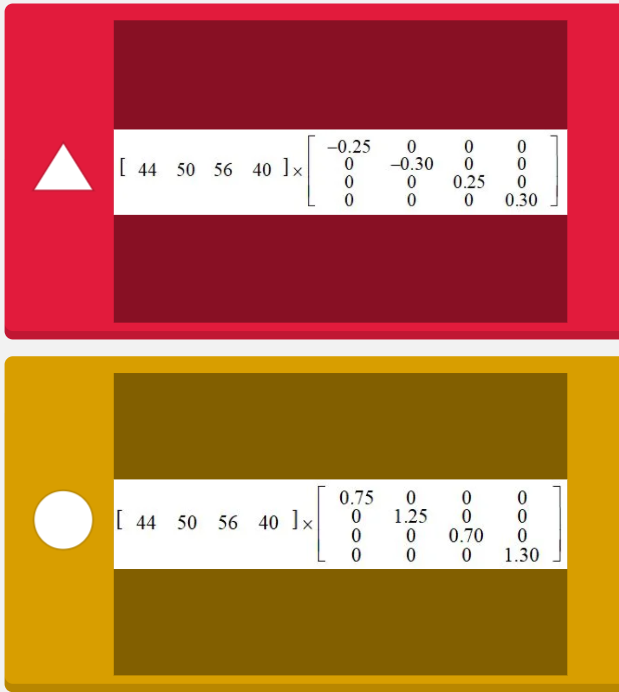
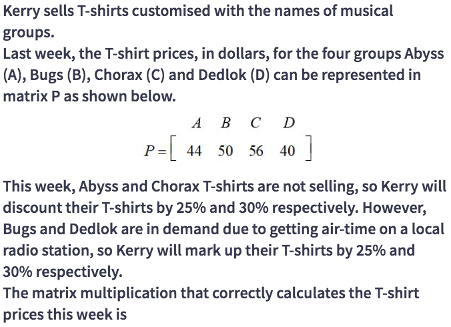




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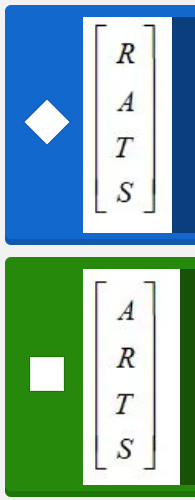
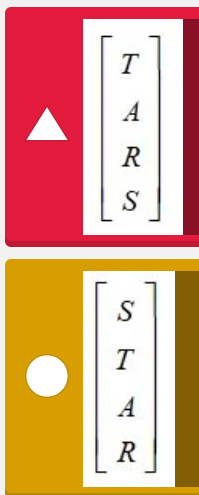
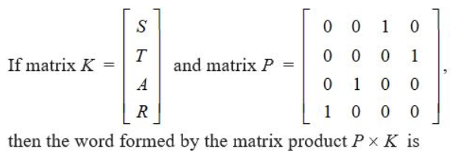


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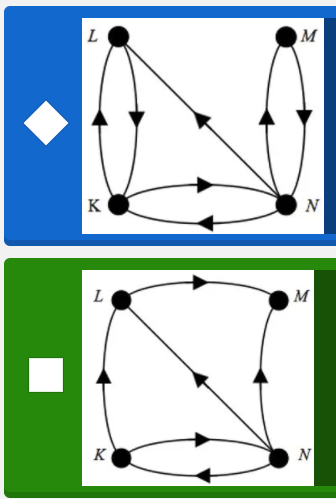
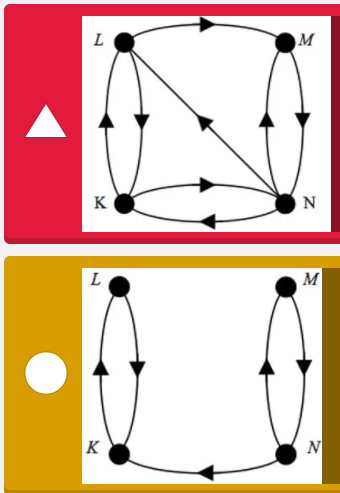
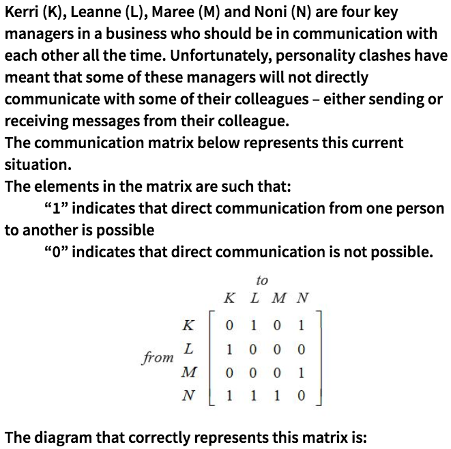




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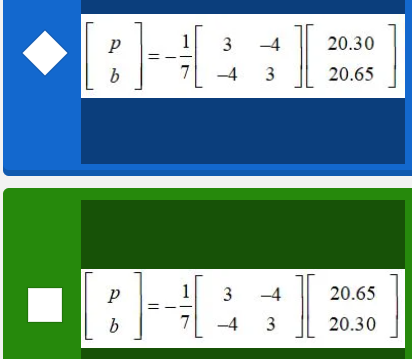
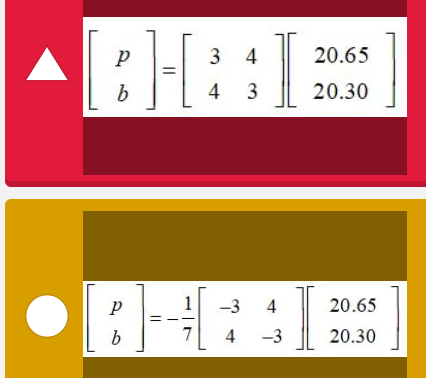
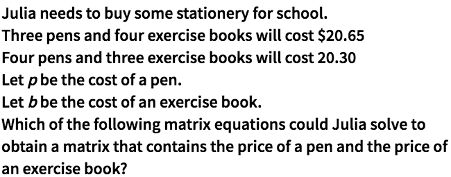


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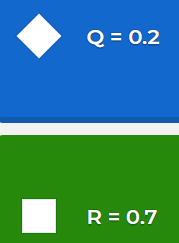
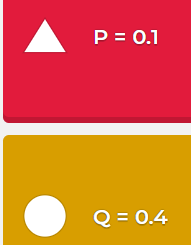
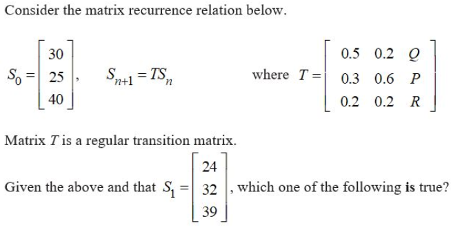




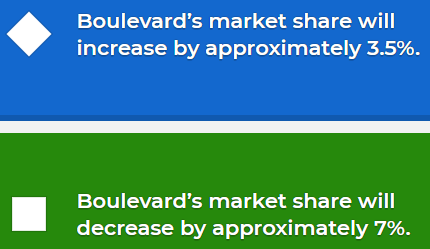
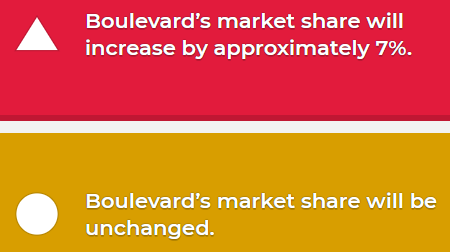
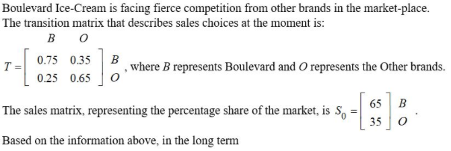
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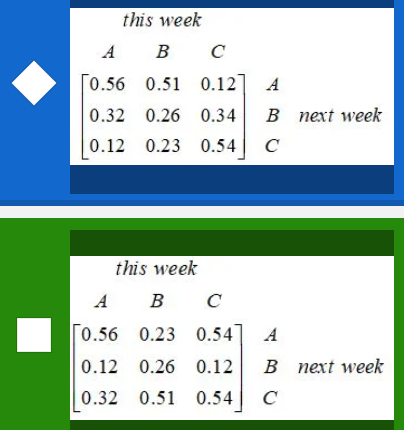
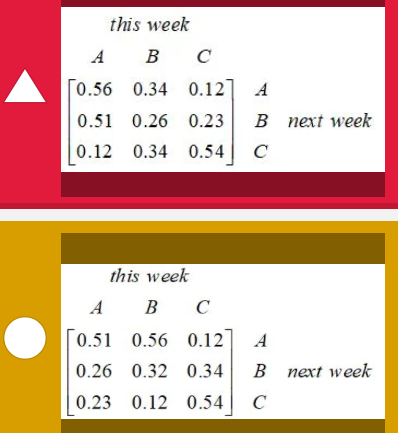
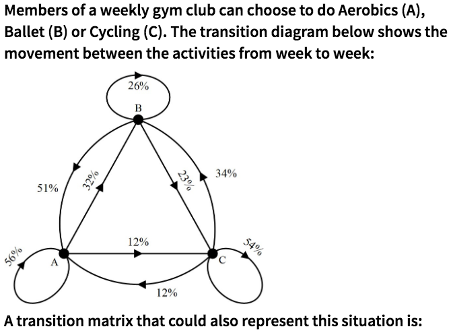


Q3

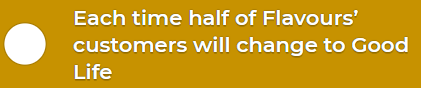
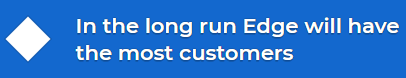
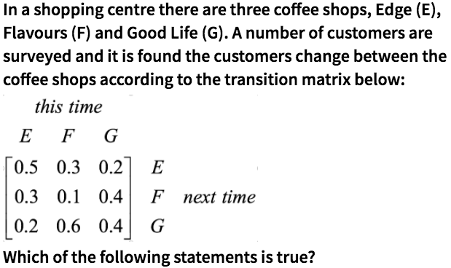
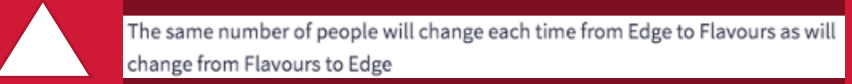
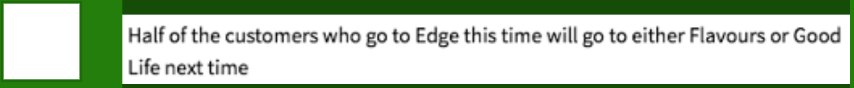




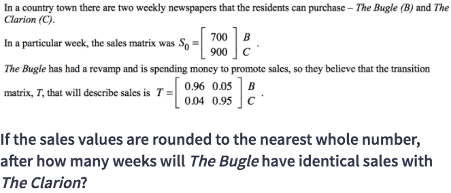
Q1



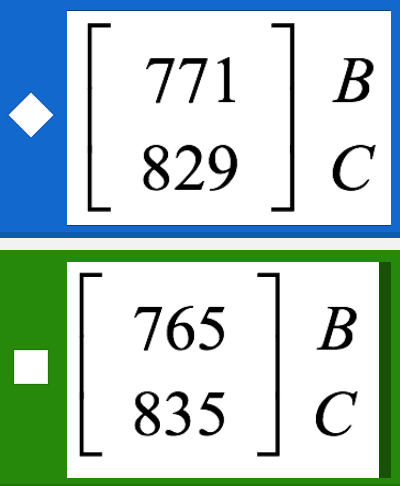
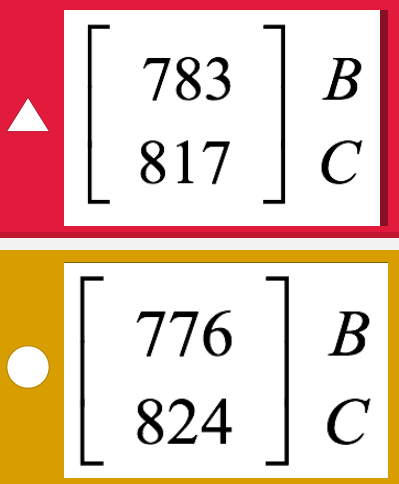
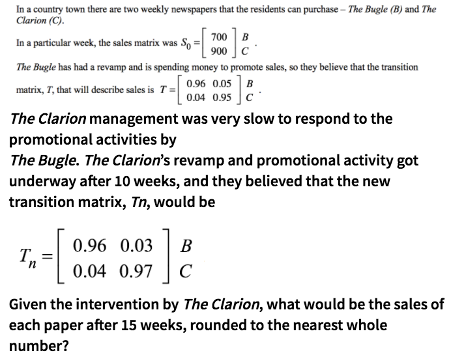
Q2



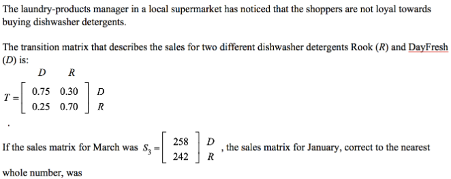
Q3

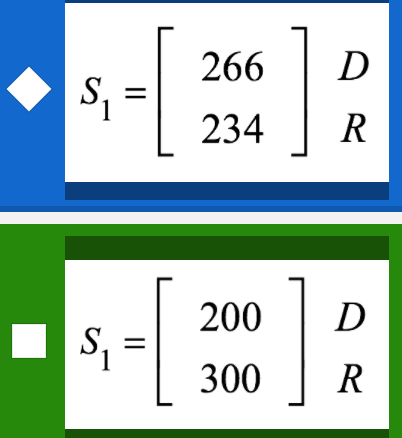
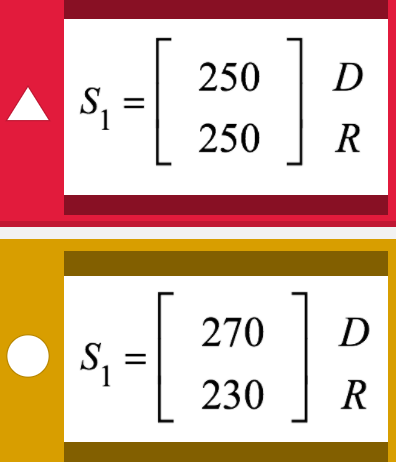


Q4



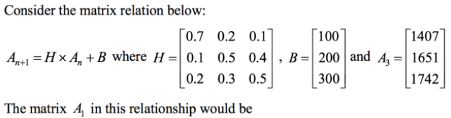
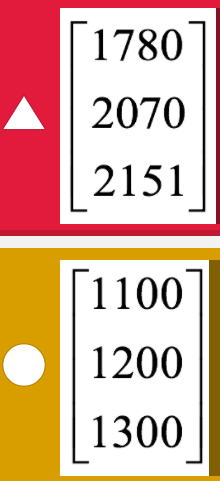
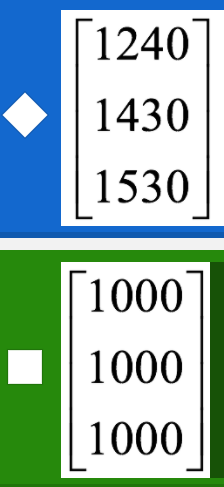
Q5



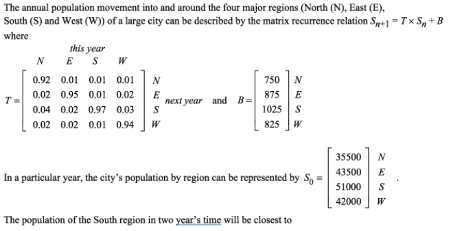




Q1

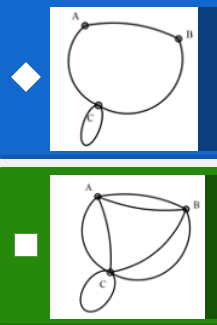
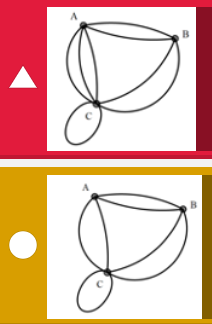
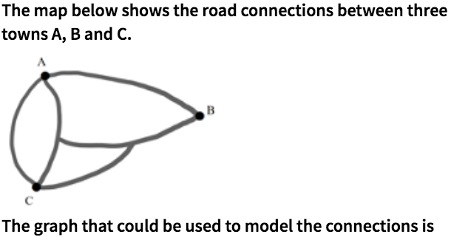
  

Q2

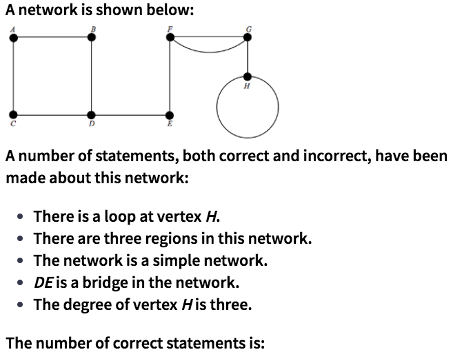




Q1

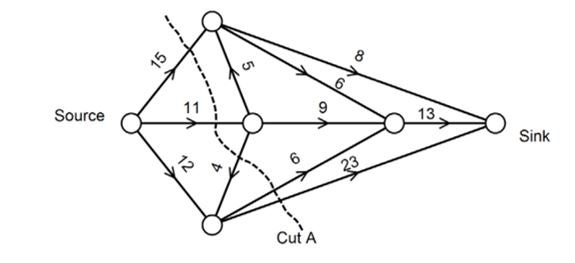


Q2

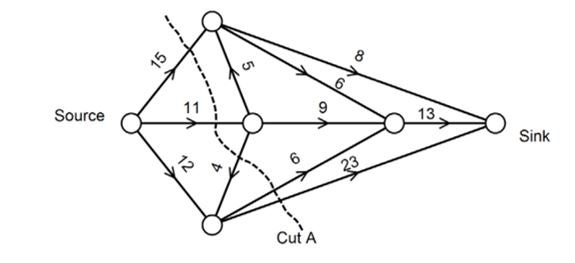




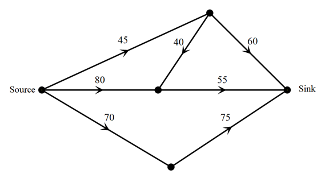
Q1 The capacity of cut A shown on the network is



Q2 The maximum flow through the network from source to sink would be:

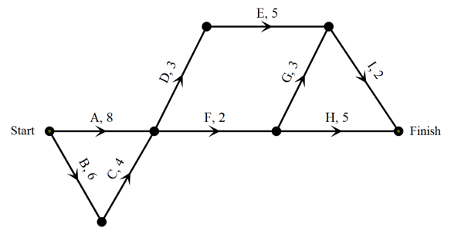


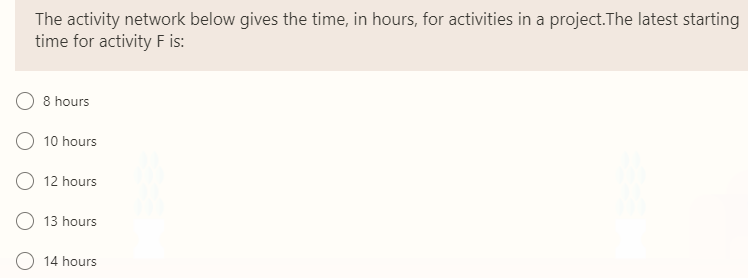
Q3 The digraph below shows the flow capacity for pipes in a watering system.The maximum flow from the source to the sink is

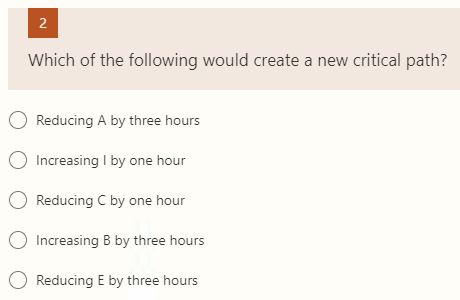




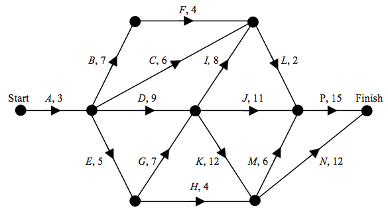
Q1

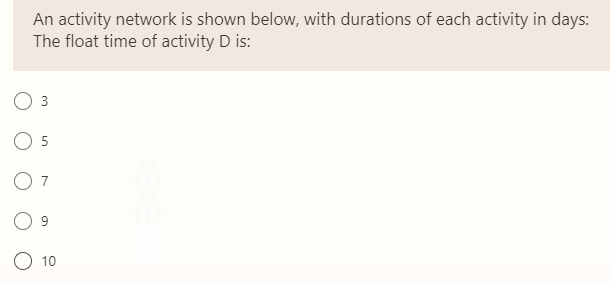






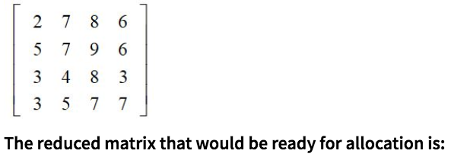
Q3

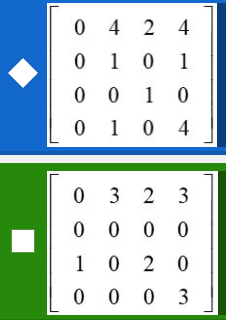
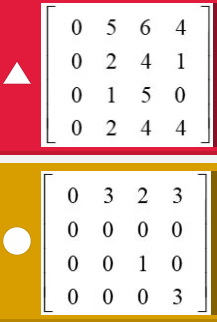






Q1 The following matrix is to be reduced so that a minimum allocation can be made using the Hungarian algorithm.





Q2

