

## SQA Past paper questions

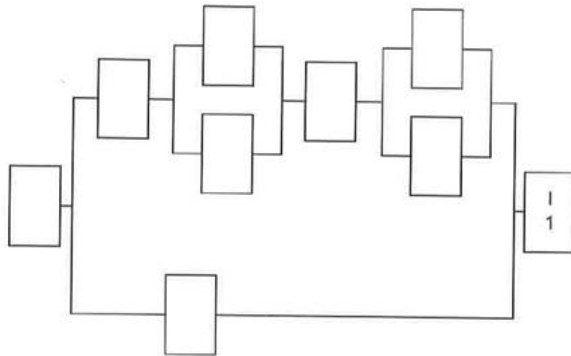
## 2024 - Paper 2 - Question 7(c)

(i) Rab modernised the house.

The work done is shown in the table.

Complete the diagram to show the tasks and the time taken for each.

2



Activity	Description	Preceding task	Time in days
A	clear rubbish from house and garden	none	7
B	landscape the garden	A	10
C	plaster the walls	E, G	9
D	decorate the house	C	8
E	rewire the house	F	15
F	fix the roof	A	18
G	re-plumb the house	F	11
H	lay all the flooring	C	6
I	advertise the house for sale	B, D, H	1



Calculate the minimum time required for the renovations to be completed.

2

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## 2023 - Paper 1 - Question 10

John owns a bike shop and has a team of mechanics who build each new bicycle.



The table lists the tasks that need to be completed and the time required for each task.

(a) Complete the diagram below by writing these tasks and times in the boxes.

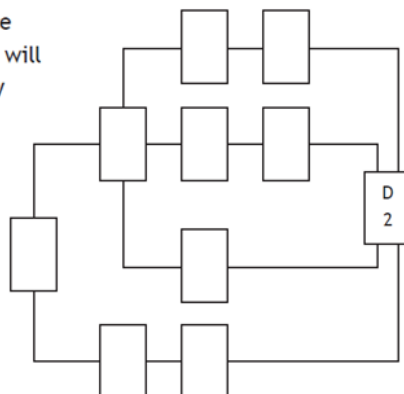
2

John thinks that the team of mechanics will have the bike ready within 15 minutes.

(b) Determine if John is correct.

Use your working to justify your answer.

2



Task	Detail	Preceding task	Time (minutes)
A	attach bicycle to bicycle clamp stand	F	1
B	grease pedals	A	1
C	attach wheels	A	7
D	put bike on display	G, H, I, J	2
E	grease saddle post	F	1
F	remove bicycle frame and parts from box	none	2
G	insert saddle post into frame and tighten	E	1
H	install headset	A	5
I	inflate the tyres	C	4
J	attach pedals	B	3

Click [here](#) for video solution. 

## 2022 - Paper 1 - Question 4

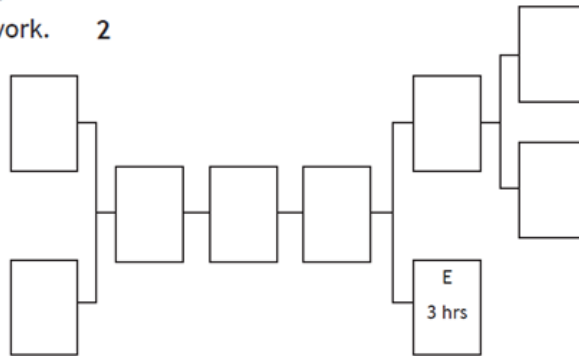
Kieran and Dylan decide to redesign their garden.

There are several tasks that need to be done in order to achieve this.



- (a) Complete the diagram to show the tasks and times in the boxes. 2
- (b) Based on the times given, calculate the minimum time to complete all of the work. 2

Give your answer in hours and minutes.



Activity	Description	Preceding task	Time taken
A	lay patio	I	5 hours
B	assemble furniture	A	1 hour 30 minutes
C	remove decking	none	6 hours
D	paint fence	G	3 hours
E	lay artificial grass	I	3 hours
F	remove grass	none	2 hours
G	buy all materials	C,F	45 minutes
H	plant patio tubs	A	2 hours 15 minutes
I	roughcast wall	D	1 hour 45 minutes

Click [here](#) for video solution.

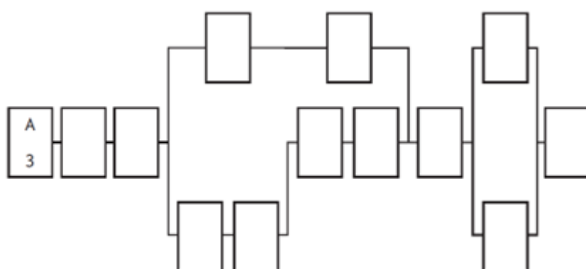
## 2021 - Paper 1 - Question 10

Sarah wants to make chilli con carne.

The table shows the list of tasks and the time taken for Sarah to complete them.



- (a) Complete the diagram below to show the tasks and times in the boxes. 2



Activity	Description	Preceding task	Time (minutes)
A	assemble ingredients	none	3
B	chop onions	A	5
C	heat pan with oil	B	2
D	fry onions in pan	C	6
E	add mince to pan and stir	D	5
F	open cans of kidney beans and tomatoes	C	2
G	drain kidney beans	F	1
H	measure water into jug	G	1
I	add spice mix to water	H	2
J	add spice mix and water to pan	E,I	2
K	add kidney beans and tomatoes and simmer	J	35
L	microwave rice	J	3
M	serve	K,L	2

- (b) Sarah claims she can make this chilli con carne in 55 minutes.

Based on the times given, determine if she is correct. 2

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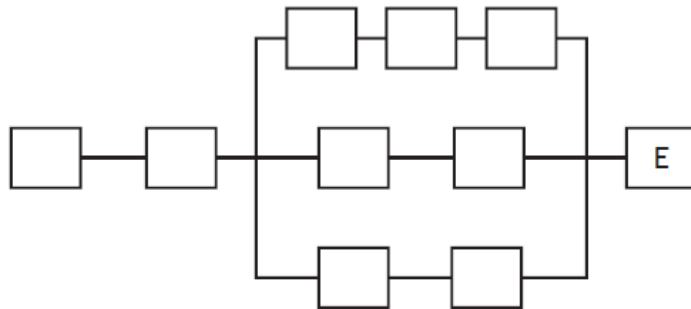
## 2019 - Paper 2 - Question 9(b)

The publishing company produced the following table to show all the tasks involved in publishing the book.

Complete the diagram below to show the tasks. 2



Activity	Description	Preceding task
A	Illustrate cover	H
B	Write 1st draft	C
C	Research ideas	None
D	Edit book	B
E	Publish book	A, J, G
F	Re-work	D
G	Proof read	F
H	Choose title	B
I	Copyright	B
J	ISBN	I



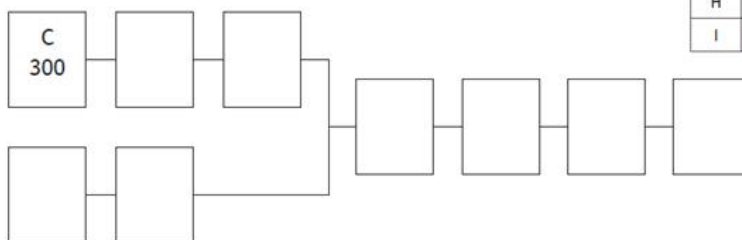
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## 2018 - Paper 2 - Question 9(a) and (b)

A factory produces cans of tinned beans. The table shows the list of tasks and the time taken to complete them.



(a) Complete the diagram below to show the tasks and times in the boxes. 1



Task	Detail	Preceding task	Time (seconds)
A	Boil beans to cook them	C	500
B	Put on lid	H, E	3
C	Blanch dried beans in water	None	300
D	Attach label	I	5
E	Put sauce in tin	F	2
F	Make the sauce	None	900
G	Put in box	D	5
H	Put beans in tin	A	2
I	Cook beans in sauce in tin	B	300

The factory manager thinks that the whole process can be completed in less than 25 minutes.

(b) Based on the times given, is the factory manager correct?

Use your working to justify your answer. 2

Click [here](#) for video solution.

**2016 - Paper 1 - Question 5**

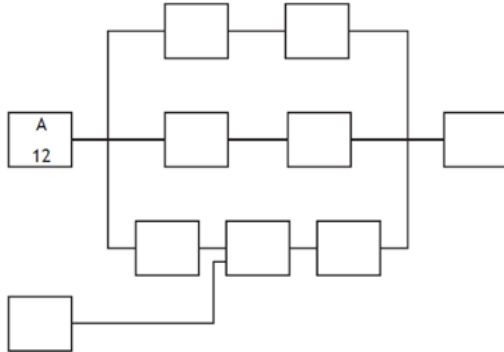
A computer company is researching how long it would take to develop a new games console and bring it to market.



The following table of necessary tasks was produced.

Activity	Description	Preceding Task	Time (months)
A	Product design	None	12
B	Market research	None	2
C	Production analysis	A	3
D	Product model	A	4
E	Sales brochure	A	1
F	Product testing	D	5
G	Cost analysis	C	3
H	Sales training	B,E	2
I	Pricing	H	1
J	Project report	F,G,I	1

- (a) Complete the diagram below to show the tasks and times in the boxes. 2



- (b) The company want this entire process to be completed in 2 years.  
Based on the times given, is this possible?  
Show working to justify your answer. 2

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**2014 - Paper 1 - Question 6**

The Clarks employ Kitease to install a new kitchen for them.

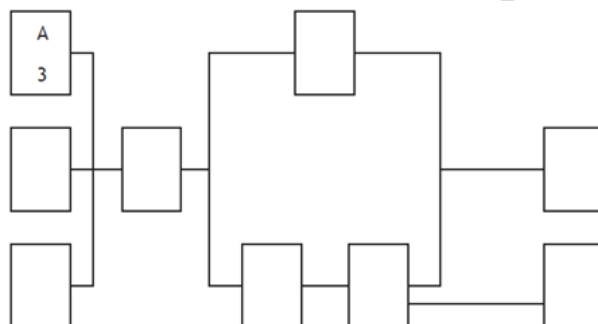


Kitease provide a team of workers to install the kitchen.

The table shows the list of tasks and the time required for each.

Task	Detail	Preceding task	Time(hours)
A	Begin electrics	None	3
B	Build cupboards	None	5
C	Begin plumbing	None	2
D	Plaster walls	A,B,C	8
E	Fit wall cupboards	D	6
F	Fit floor cupboards	D	5
G	Fit worktops	F	3
H	Finish plumbing	G	3
I	Finish electrics	E,G	4

- (a) Complete the diagram below by writing these tasks and times in the boxes. 2



- (b) Kitease claim they can install this kitchen in 22 hours.  
Is this a valid claim?  
Give a reason for your answer. 2

Click [here](#) for video solution. 