

*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

https://almanahj.com/ae

* للحصول على أوراق عمل لجميع مواد الصف السابع اضغط هنا ما أوراق عمل لجميع مواد الصف السابع اضغط هنا

* للحصول على جميع أوراق الصف السابع في مادة تصميم ولجميع الفصول, اضغط هنا 7design/ae/com.almanahj//:https

* للحصول على أوراق عمل لجميع مواد الصف السابع في مادة تصميم الخاصة بـ الفصل الثاني اضغط هنا https://almanahj.com/ae/7design2

* لتحميل كتب جميع المواد في جميع الفصول للـ الصف السابع اضغط هنا

للتحدث إلى بوت المناهج على تلغرام: اضغط هنا bot_almanahj/me.t//:https



Designers and people around the world are using 3D printing to make their creations real. They are things they can use themselves or are for other people to enjoy.





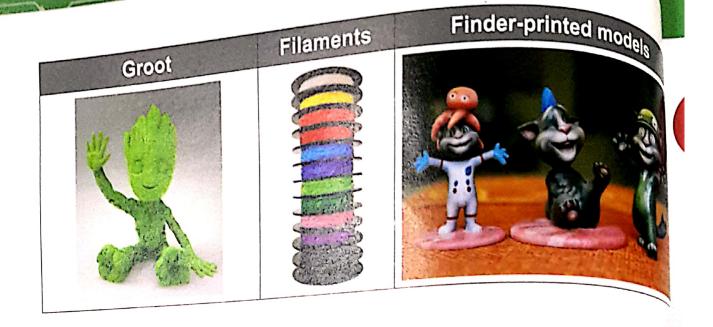


Activity 1



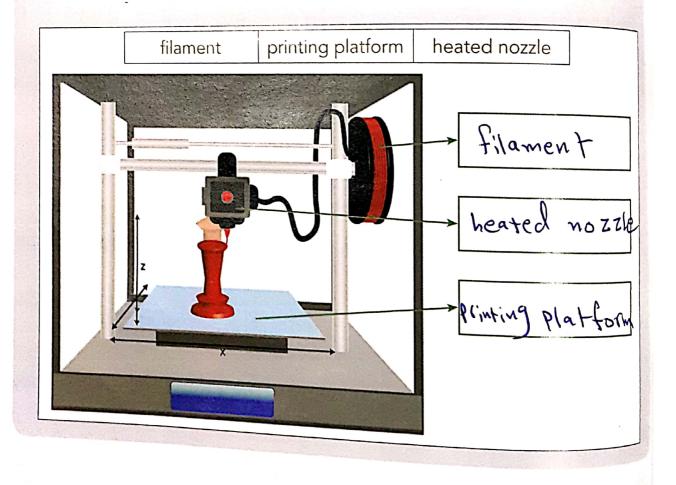
Does the image show Additive or Subtractive manufacturing? Write **Additive** or **Subtractive** next to each image.

	subtractive
9	additive
	subtractive ich
	additive
	additive





Label the parts of the printer using the words below:



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Activity 3



Fill in the blank spaces using the words below.

platform	software	desktop	filament	heated nozzle

- 1. The Flash Forge Finder uses fused deposition modelling which means it uses a plastic string called **Pilament**.
- 2. FDM is the most common technology used for desktop

 3D printers.
- 3. The filament goes from a reel to a heated nozzle inside the 3D printer.
- 4. The melted filament is laid on the Platform as a layer.
- 5. The software creates your design from the file you sent to the computer that is connected to the printer.

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Scanned by CamScanner

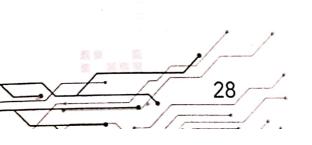


Activity 4



Complete each sentence. Tick (\checkmark) the correct answer.

3D printing technology is:	
1. moving very slow.	
2.) changing how you design and make everything.	
3. not real.	
A 3D-printed building in Dubai:	
1. cost 538,800 AED and at 100 times more than normal.	
2. took 17 days to be printed.	
3.) is the first 3D-printed office building in the world.	
The design process is:	
(1) a way of solving a problem.	
2. a paper design of a product.	
3. printing 3D objects.	



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Pop quiz 1

Date

Pused sitions

FDM is:



making lots of useful objects quickly and cheaply.

3

future decomposition process.

C

format design manufacturing.

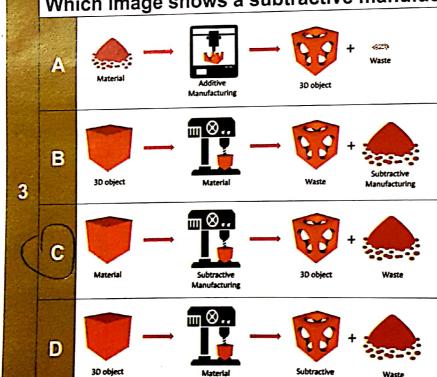
D

front end design manufacturing.

What is subtractive manufacturing?

- a process which adds material to create an object
- B building an object when you need it
- c to take away the manufacturing process
- removing material from an object until you have the finished object that you want

Which image shows a subtractive manufacturing process?



15 M	The	filament is melted, so that it can be:
1	A	extruded through the nozzle onto a printing platform.
4	B	extruded through the printing platform onto a nozzle.
	100	used for subtractive manufacturing.
	D	used as rubbish.

	A d	esign brief is a written description that:
	A	tests the final solution.
5	В	prints the final solution.
	C	shows the final solution.
	D	shows the requirements of the final solution.

Evaluation	on .
Student evaluation	Teacher's evaluation
\star \star \star	/ 5