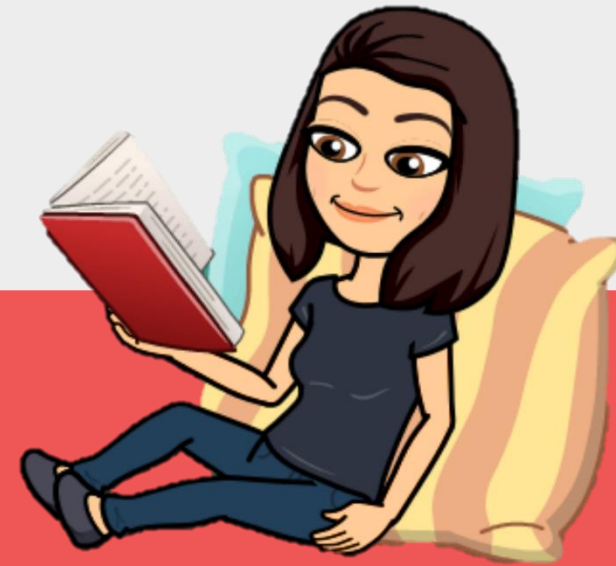
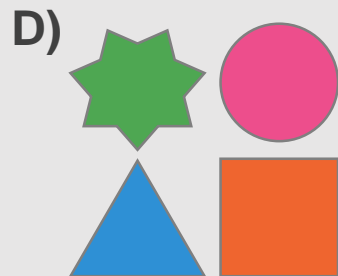
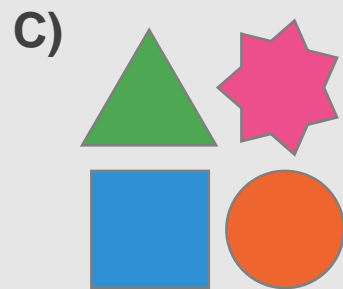
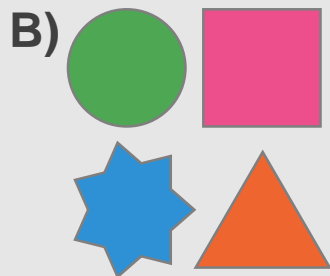
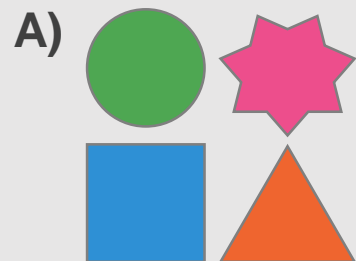


Book Week Scotland

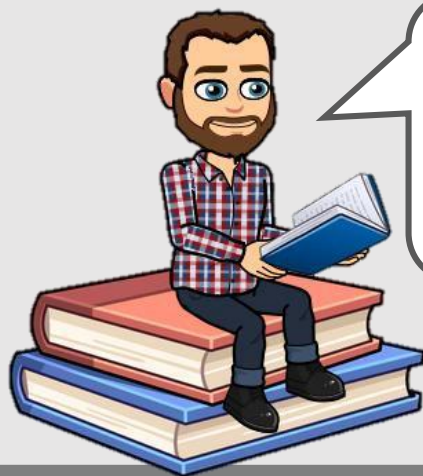


#BookWeekScotland

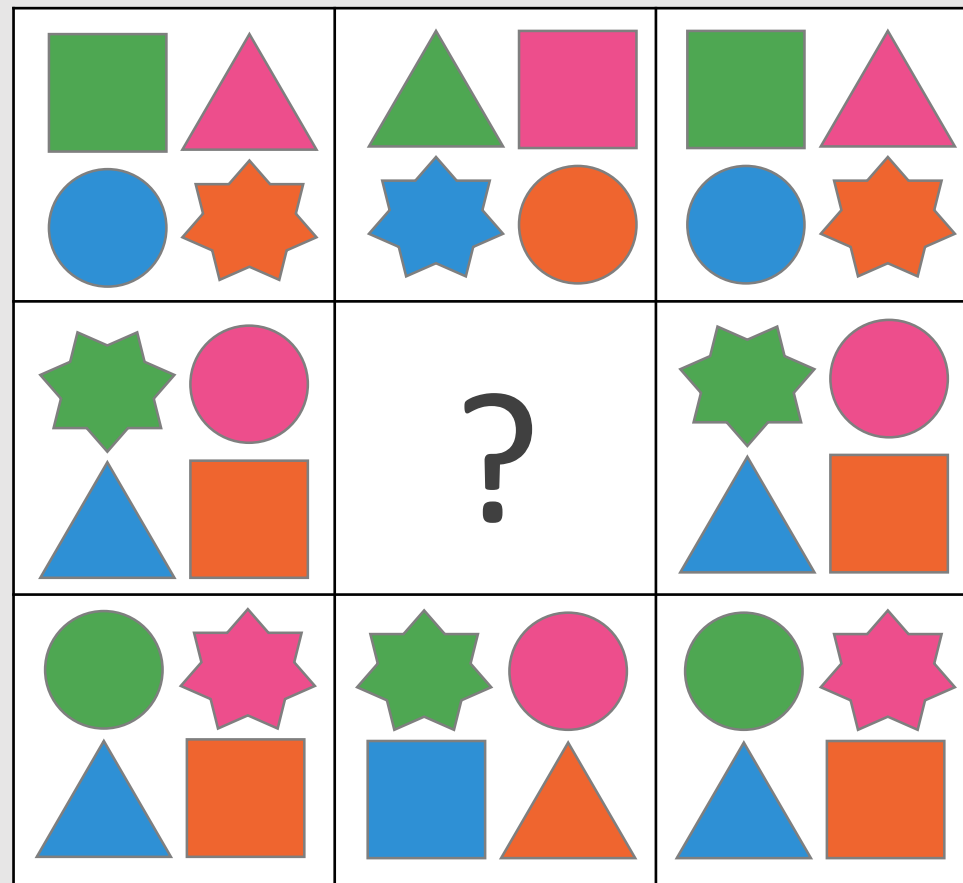




Do you have what it takes to be an astronaut like Tim Peake? Complete the real astronaut question below and tweet your answer using the hashtag #STEMaStory



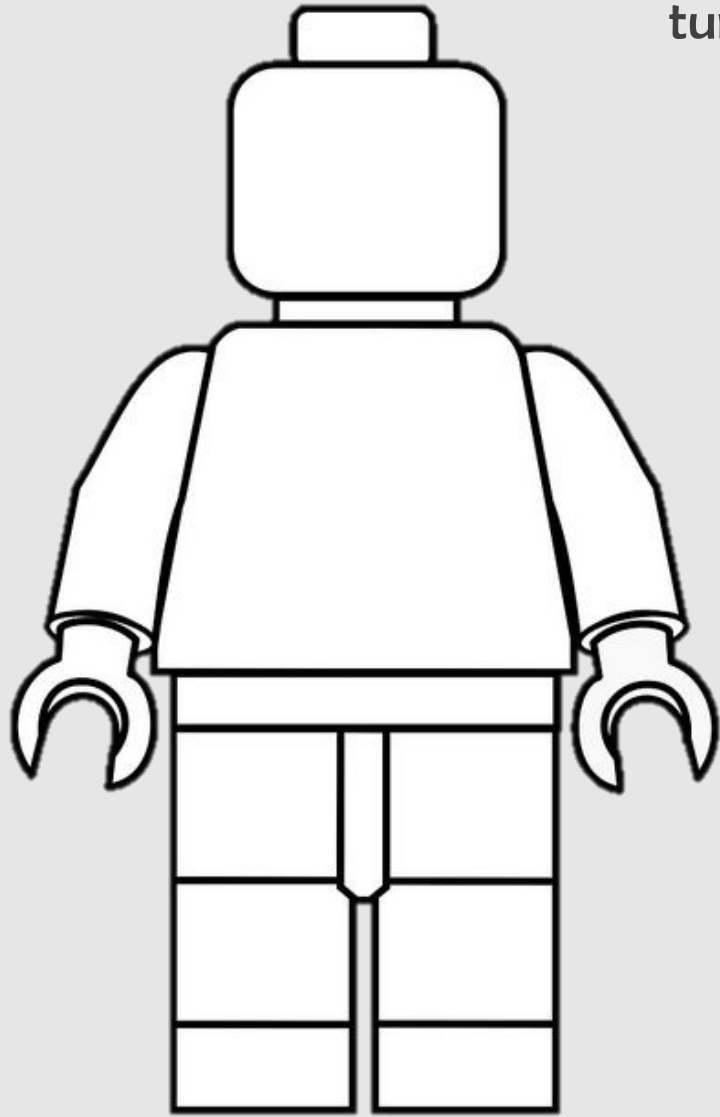
Which combination of shapes will fill the missing square in the grid to the right?



#BookWeekScotland #STEMaStory



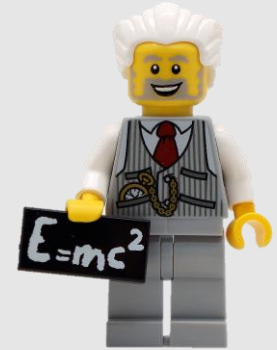
Alex wants you to choose a famous scientist or inventor and turn them into a Lego Minifigure. Use the template provided and tweet your design using the hashtag #STEMaStory.



Nancy Grace Roman
Astronomer



Mae Jamison
Astronaut



Albert Einstein
Physicist

I've chosen a few of my favourite scientific Lego Minifigures to give you some inspiration.



#BookWeekScotland #STEMaStory



Can you help Hannah match these inspirational scientists to what they are known for? Match all six and tweet your answer using #STEMaStory



Rachel Carson



Chien-Shiung Wu



Jane Goodall



Katherine Johnson



Ada Lovelace



Marie Curie



Mathematician who helped put the first man on the moon.



Biologist well known for her writings on environmental pollution.



Experimental physicist who made significant contributions in the field of nuclear physics.

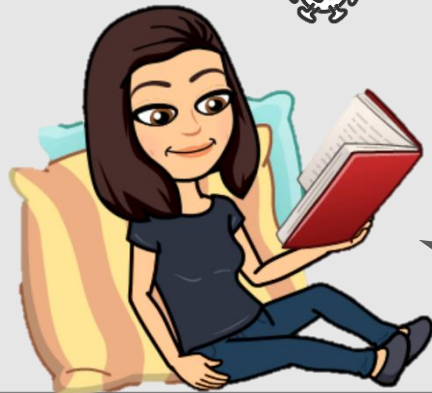


Gifted mathematician known as the first ever computer programmer.

Physicist, chemist and a pioneer in the study of radiation.



Primatologist most known for her long-term study of wild chimpanzees.



I have loved reading about these inspirational women in STEM.
Can you match the scientist to their STEM field of study?

#BookWeekScotland #STEMaStory



Mark is looking at structures and architecture. Can you label all the angles on the building below? Then count how many acute, obtuse, right and straight angles there are and fill in the boxes below. Tweet your answer using #STEMaStory

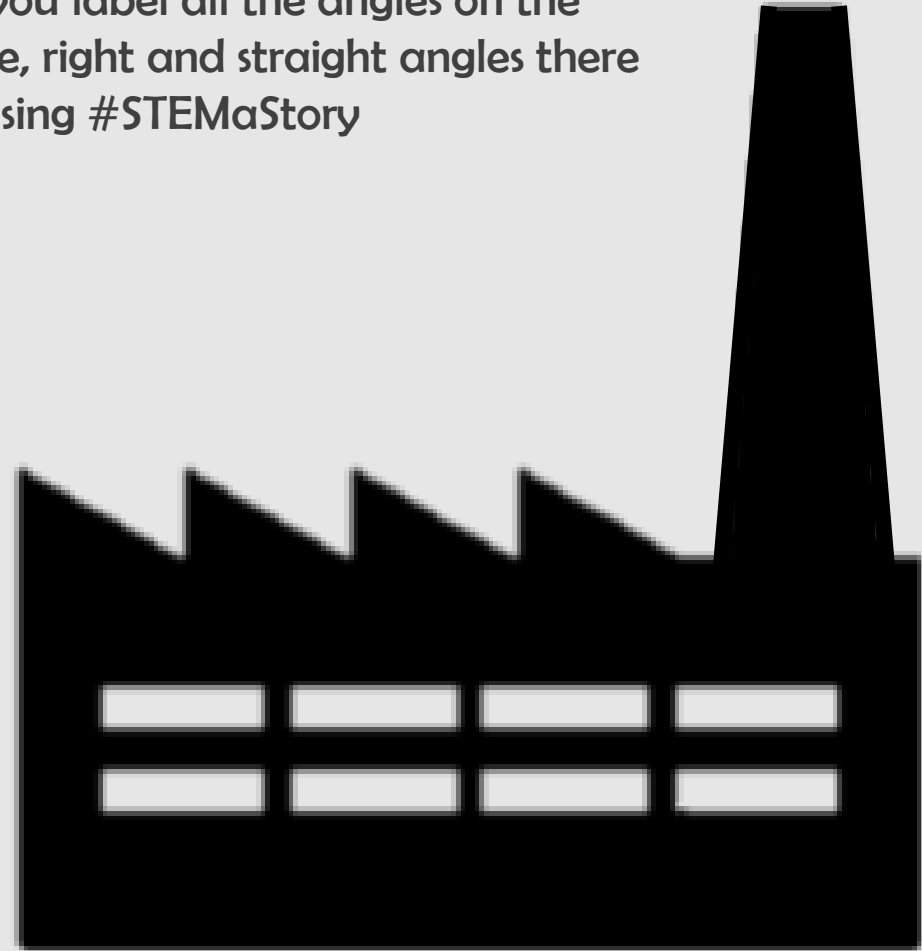
Number of:

Acute angles

Obtuse angles

Right angles

Straight angles

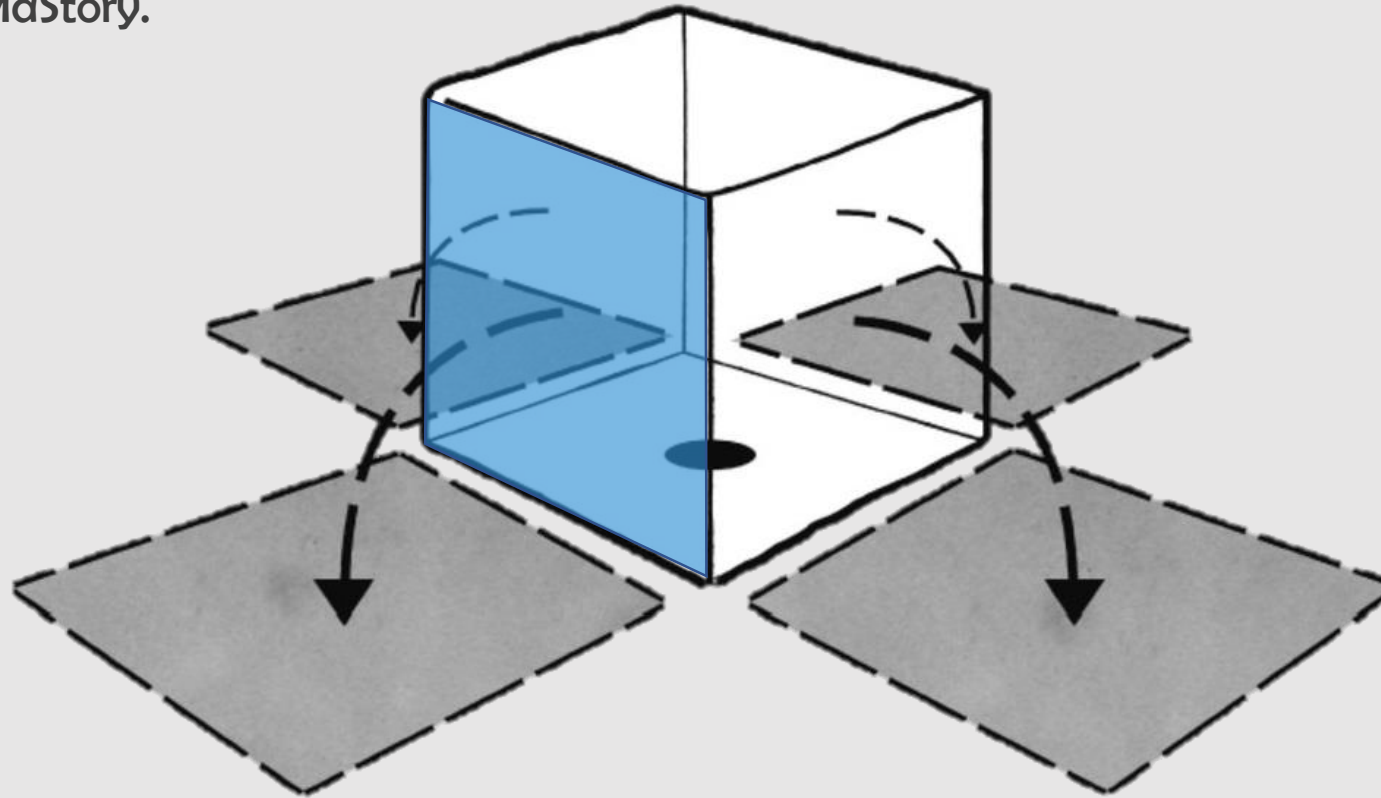


Help me get this task right. Label all the angles you can see on the building put your answers in the boxes above.

#BookWeekScotland #STEMaStory



Here is a mental challenge that Tim Peake had to complete. Imagine that you are facing a cube. This cube can roll to the left, right, forwards (towards you) or backwards (away from you). There is a dot on the bottom of the cube. Follow Alex's instructions and tell us where the dot ends up. Tweet your answer using #STEMaStory.



The blue face is the front. Can you work out where the dot ends up if you roll the cube; right, back, left, forward, forward, back then left.

#BookWeekScotland #STEMaStory



Answers

Challenge 1

A. A

Challenge 2

N/A

Challenge 3

A.



= Biologist

Rachel Carson



= Primatologist

Jane Goodall



= Mathematician
known as first
computer
programmer

Ada Lovelace



= Nuclear
physicist

Chien-Shiung
Wu



= NASA
Mathematician

Katherine
Johnson



= Physicist with
focus on
Radiation

Marie Curie

Challenge 4

A. *Acute* – 9

Obtuse - 44

Right - 35

Straight - 24

Challenge 5

A. *Dot will be on the front face you are looking at.*

#BookWeekScotland #STEMaStory



Book Week Scotland

16th November – 22nd November 2020



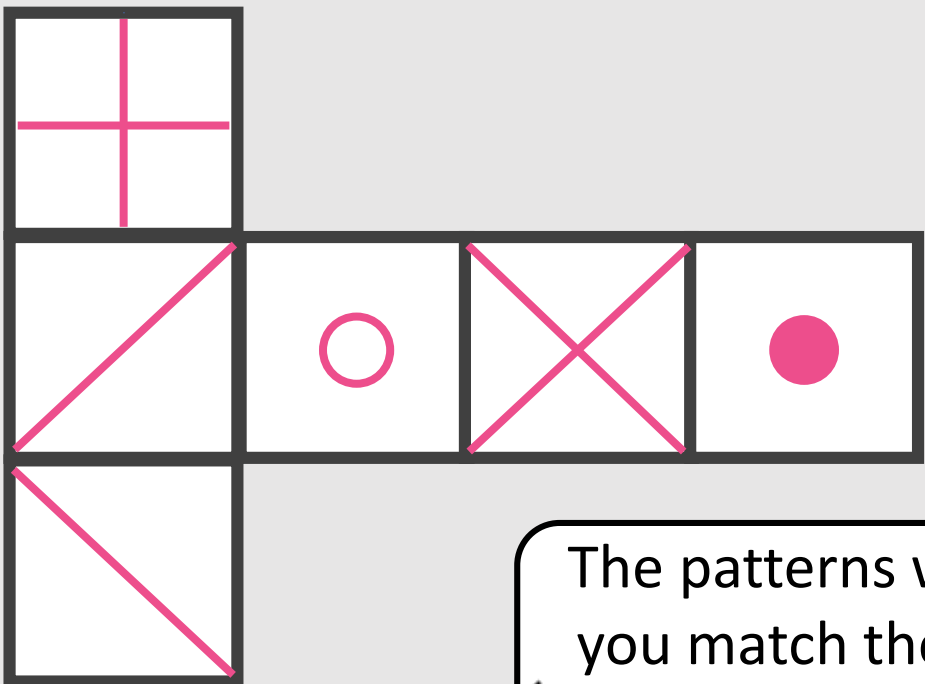
Take part in our daily
#STEMGlasgow
challenges



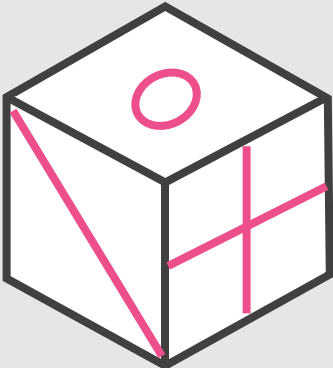
#STEMaStory #STEMGlasgow



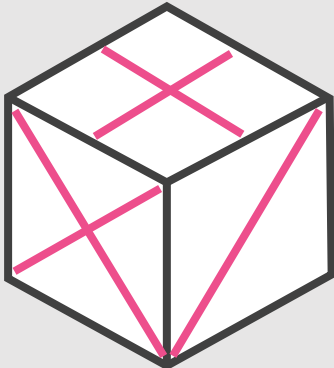
Look at the net shape on the left and help Hannah match it to 1 of the cubes below. Tweet your answer using #STEMaStory.



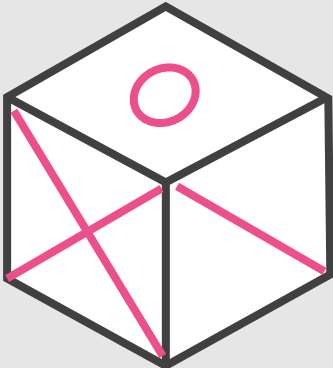
The patterns will help you match the net to the correct cube.



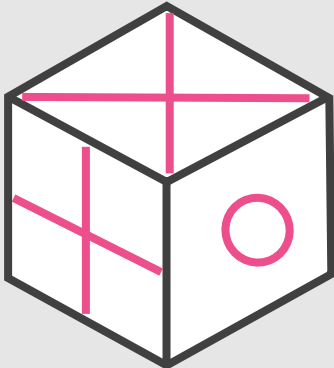
A



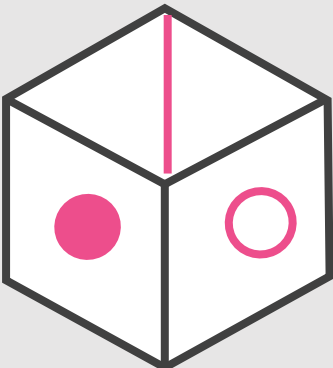
B



C



D



E

Can you help Claire match these inspirational women to what they are best known for?
Match all five and tweet your answer using #STEMaStory.



British scientist known for her contributions to the discovery of the structure of DNA.

Chemist and scientist known for her work in developing malaria fighting drugs.

Inventor known for developing soap, hair oils and the pressing comb which is still in use today.

Neurobiologist known for the discovery of nerve growth.

Mathematician known as the first computer programmer.

Ada Lovelace

Tu Youyou

Rita Levi Montalcini

Annie Malone

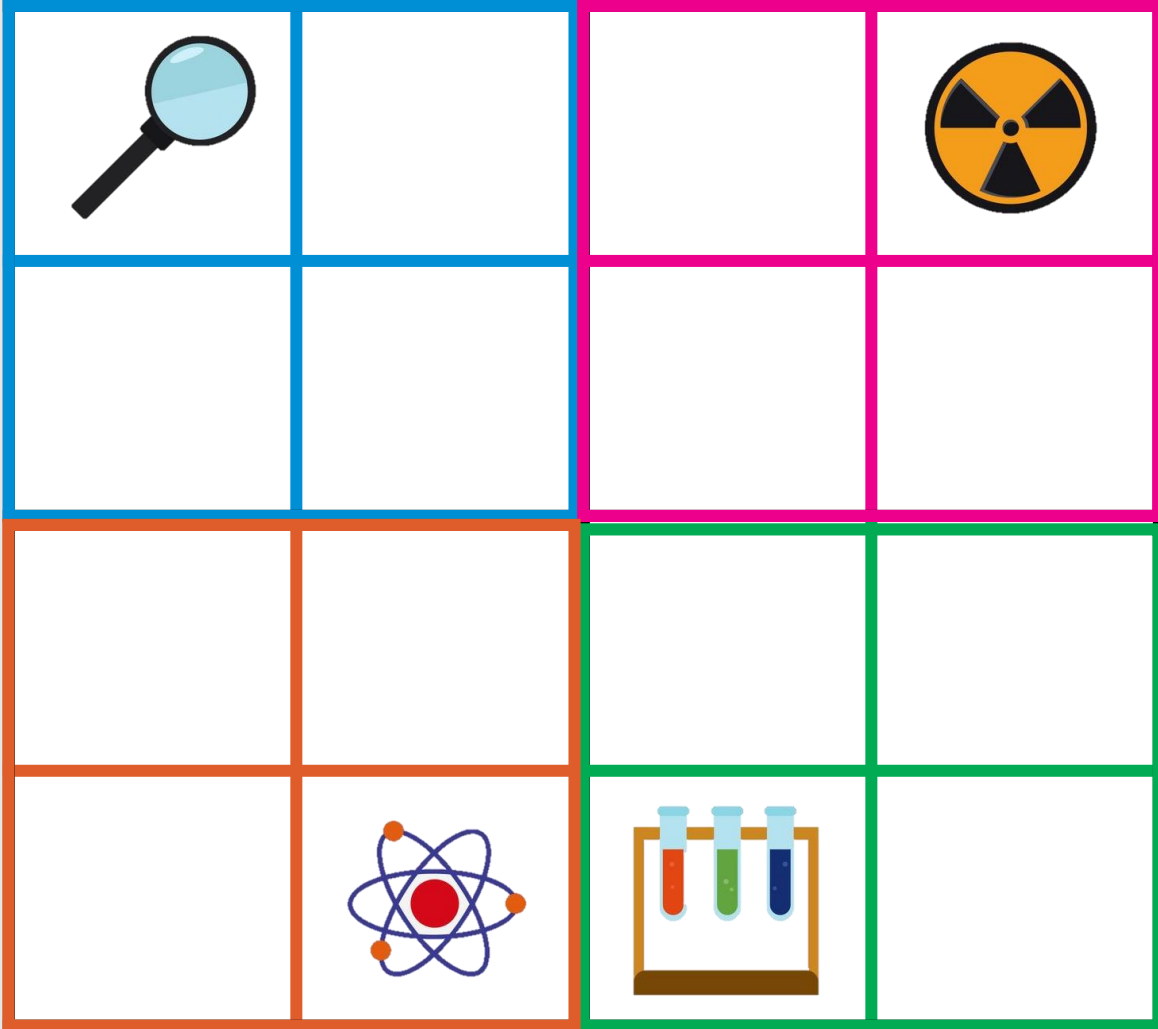
Rosalind Franklin



#STEMaStory #STEMGlasgow



Get a good reaction by helping Alex label each of the chemistry themed icons then use them to complete the Sudoku grid. Tweet your answer using #STEMaStory.



Each row, column and mini grid must contain one of each icon.



#STEMaStory #STEMGlasgow



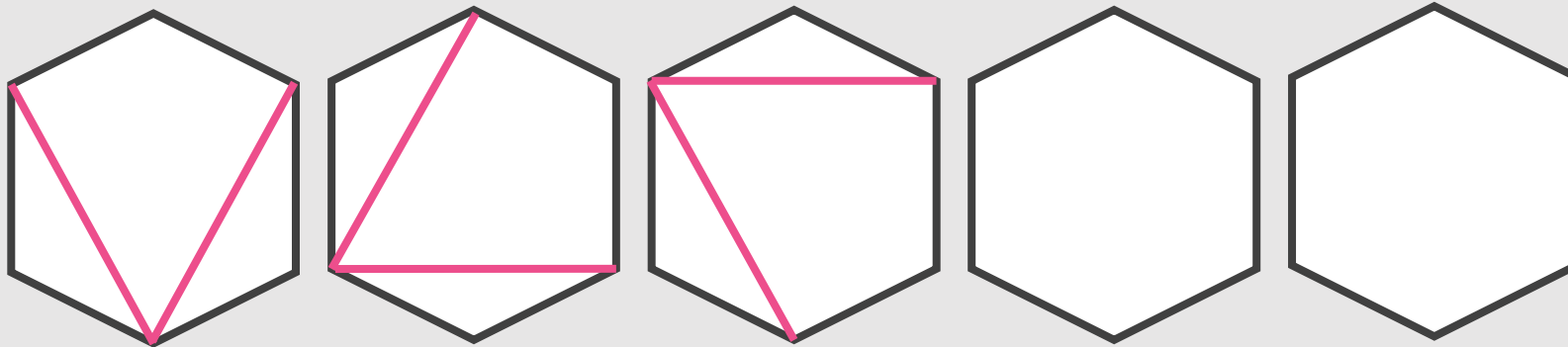
Glasgow Libraries classify and organise books in sequences. Can you help Claire work out the patterns and complete the sequences below? Tweet your answers using #STEMaStory.

2	4	6				
---	---	---	--	--	--	--

-12	-6	0						
-----	----	---	--	--	--	--	--	--

3	6				96		384		
---	---	--	--	--	----	--	-----	--	--

3	4		8		14	18		24		32	
---	---	--	---	--	----	----	--	----	--	----	--



Help me identify the pattern in each sequence and complete the missing squares.

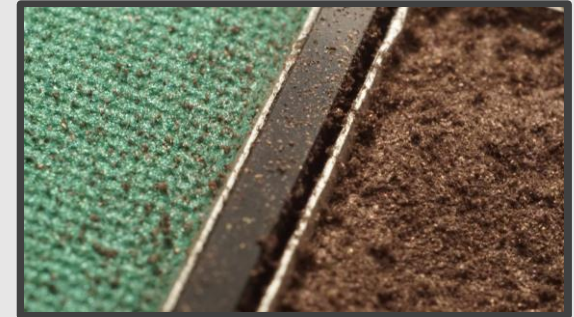
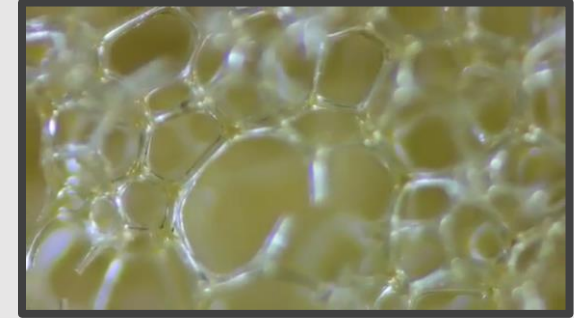


#STEMaStory #STEMGlasgow



It's topical science Friday this #BookWeekScotland. Look at the magnified images below and try to work out what they are. Tweet your answers using #STEMaStory.

Some of these you will see or touch every day!



#STEMaStory #STEMGlasgow



For this Developing the Young Workforce task choose a book to help answer the questions below. Tweet your answers using #STEMaStory.

CES: I can apply my skills to get more information about jobs/careers

Let's learn about all the different careers that are in our favourite books!

1. Choose a book and list all the jobs that the characters they do.
2. Choose a character and find out more information about their job.
3. What skills do they need for this job?
4. Do you think you would be good at it?



#STEMaStory #STEMGlasgow



To celebrate the end of the week Claire wants to play #BookWeekScotland bingo! In the grid below cross off everything you have done this week. Tweet your answer using #STEMaStory.

Completed a #STEMGlasgow Twitter challenge	Read a book	Had a book read to you	Swapped a book with a friend
Asked a parent/guardian about the last book they read	Read a book to or with someone else	Talked about jobs/careers related to books	Read a book by an author of a different ethnicity or race to your own
Watched an 'Authors Live' video on the Book Week Scotland website	Read out loud	Discussed a book with others	Wrote a book review

There's still time to tick some off the list!



#STEMaStory #STEMGlasgow



Answers

Challenge 1

A. D

Challenge 2

A.

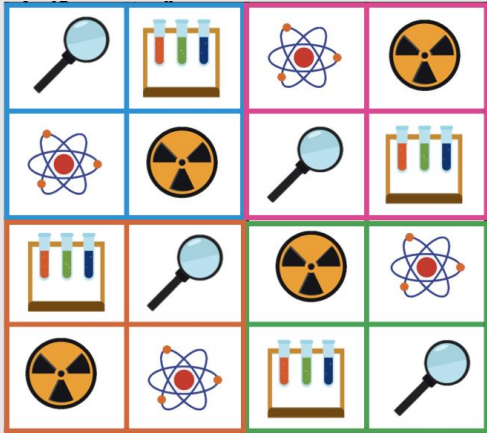
Ada Lovelace	Mathematician known as the first computer programmer.
Tu Youyou	Chemist and scientist known for her work in developing malaria fighting drugs.
Rita Levi Montalcini	Neurobiologist known for her discovery of nerve growth.
Annie Malone	Inventor known for developing soap, hair oils and the pressing comb which is still in use today.
Rosalind Franklin	British scientist known for her contributions to the discovery of the structure of DNA.

#STEMaStory #STEMGlasgow



Challenge 3

A. (Suggested)



Challenge 4

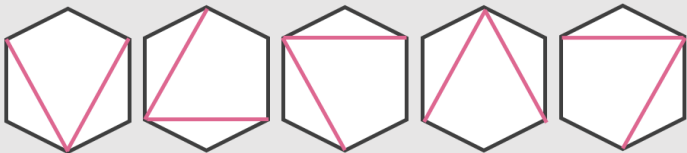
A.

2 4 6 8 10 12 14

-12 -6 0 6 12 18 24 30 36

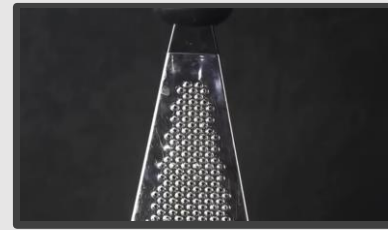
3 6 12 24 48 96 192 384 768 1536

3 4 6 8 12 14 18 20 24 30 32 38



Challenge 5

A.



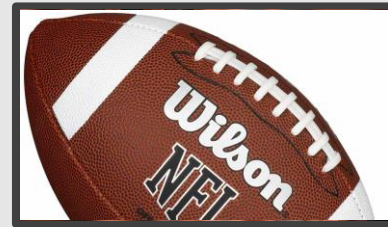
Grater



Matchbox



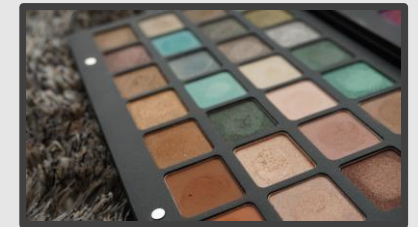
Sponge



American
football



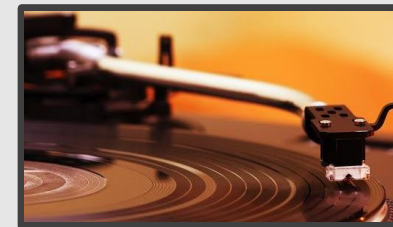
Butterfly



Makeup
palette



Book pages



Record and
needle



Honeydew
melon

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Challenge 6

A. N/A

Challenge 7

A. N/A

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