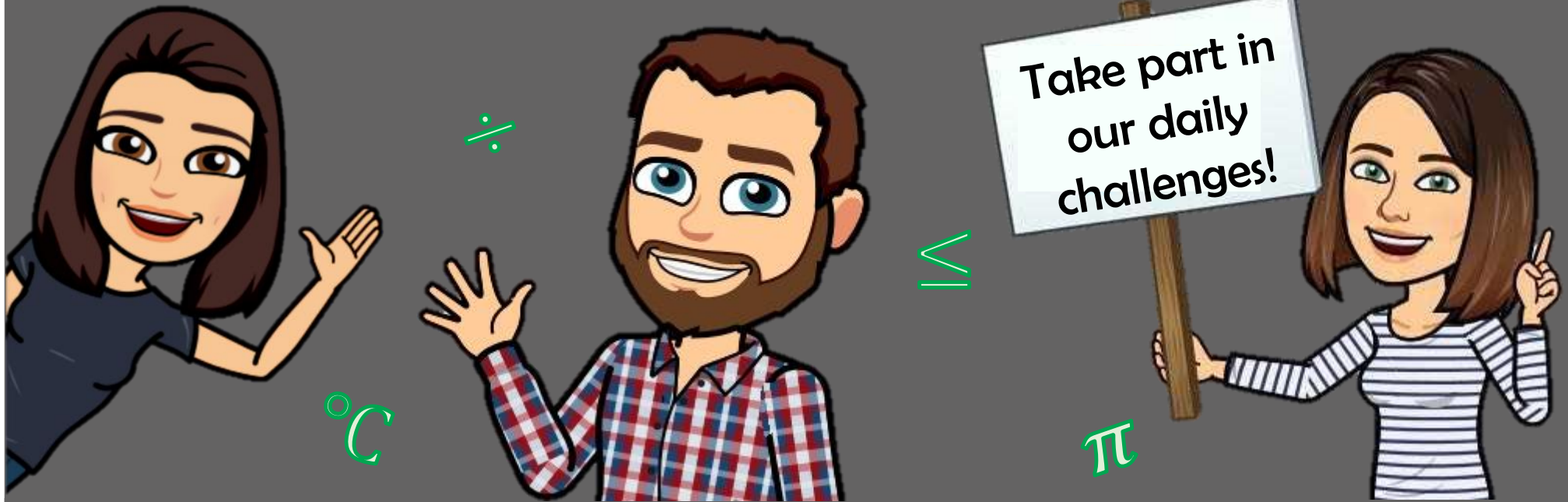


Maths Week Scotland 10th – 16th September



#mathsweekscot



Can you help Mark solve the problem in the grid below?

				<input type="text"/>
				24
				25
				<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	18	

Each sports ball stands for a number. The numbers shown are the totals of the four balls in the row or column.

Can you help me find the remaining totals?



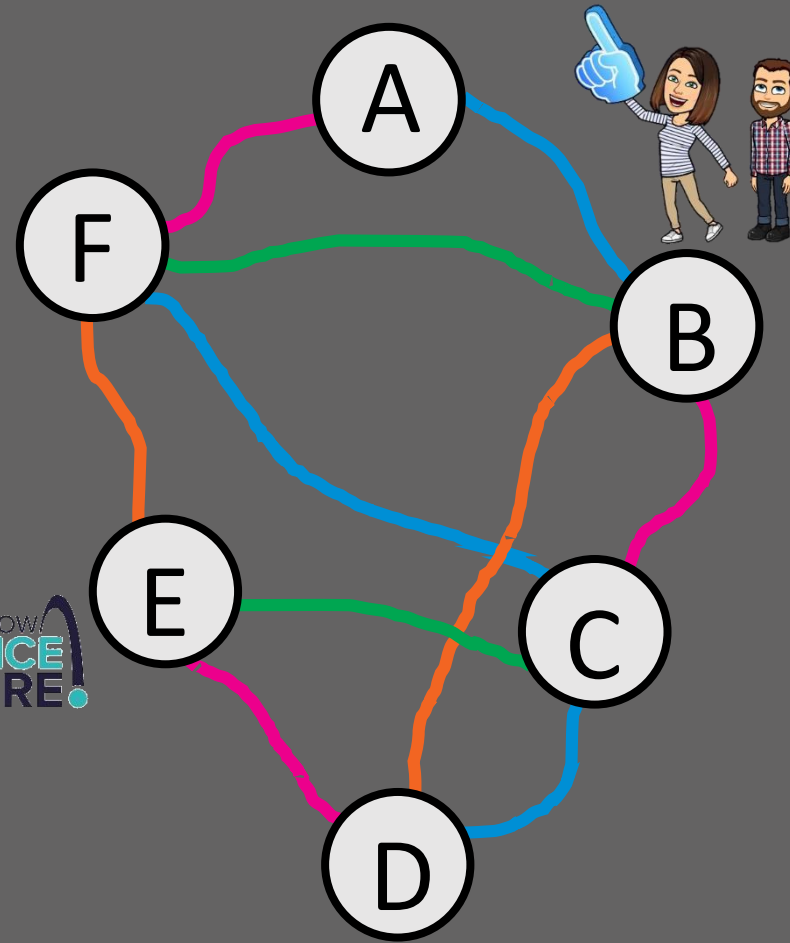
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Hannah is taking the bus to the Glasgow Science Centre at stop E.

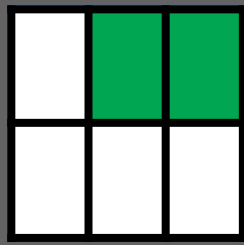
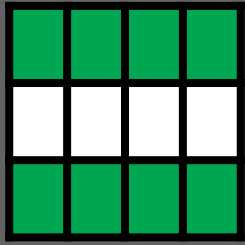
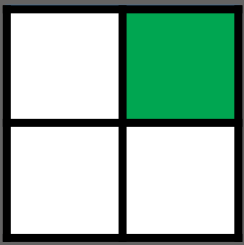
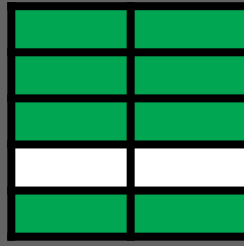
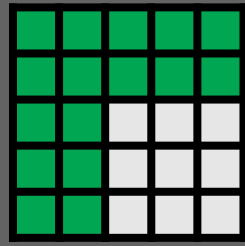
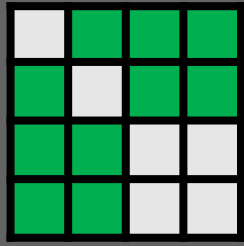
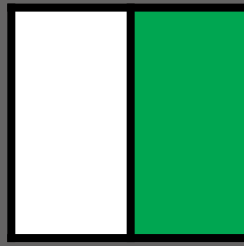
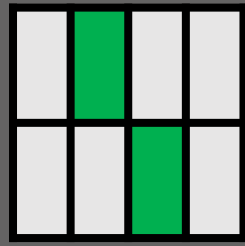
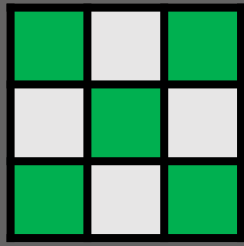
She has to meet Alex and Mark at stop B to pick up her entry ticket.

What is the cheapest route that Hannah can take from A to E?



My starting point is A

A to B	B to C	C to D	D to E	E to F	F to A	B to D	B to F	C to E	C to F
£3	£3.50	£2	£4	£4.50	£3	£5	£3	£2	£2

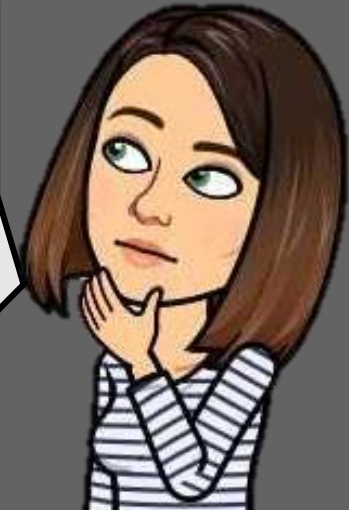


Today's challenge is *fraction-packed!*

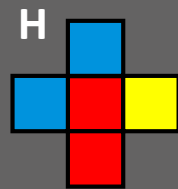
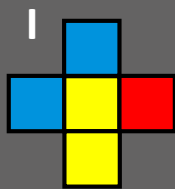
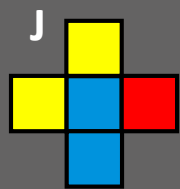
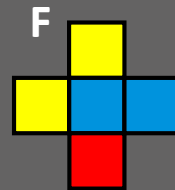
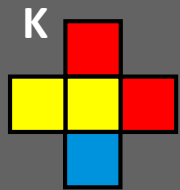
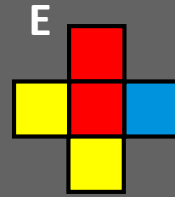
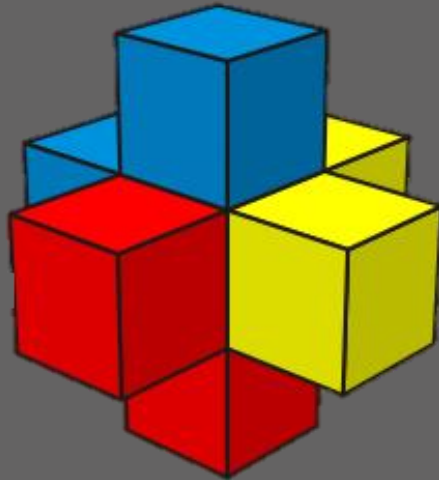
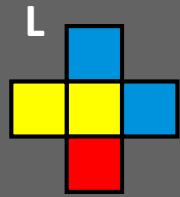
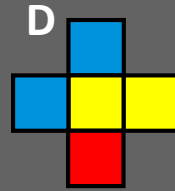
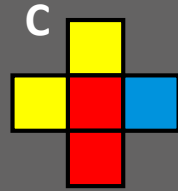
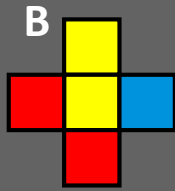
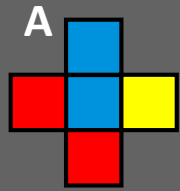
Help Alex work out what fraction of each square is shaded green.

I could only manage a small fraction of these questions.

I've answered one but the rest are up to you.



Help Hannah keep in *shape* and solve this 3D challenge.



Only 2 of the images marked A – L match the face of the 3D shape in the middle. I can't work out which match.



5:54am

3:05pm

11:22pm

12:42pm

11:29am

7:36am

10:14am

8:08am

- I am between 7 o'clock in the morning and 1:00 in the afternoon
- My number of minutes is even
- I am less than half way past the hour
- I am closer to 12pm than 6am

This is quite a time consuming challenge. Can you solve the riddle and work out which of the times listed above is the answer?



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Answers

Challenge 1

A.

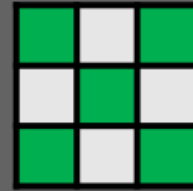


Challenge 2

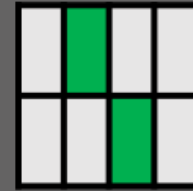
- A. *A to B (£3)*
B to C (£3.50)
C to E (£2)
Total £8.50

Challenge 3

A.



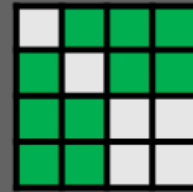
5/9



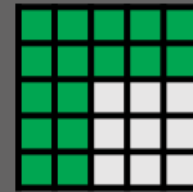
2/8



$\frac{1}{2}$



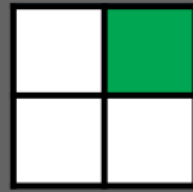
10/16



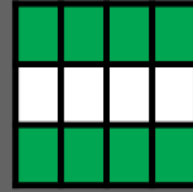
16/25



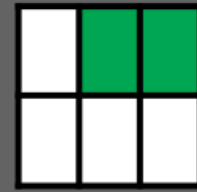
8/10



1/4



8/12



2/6

Answers

Challenge 4

A. *C, G, H, J, K, L all match the shape*

Challenge 5

A. *10.14am*

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