

Dear Aslan Class

Here is your mathematical problem of the day! Hopefully the answers yesterday gave you an idea on how to solve the questions if you were stuck. The ones today are interesting! I've shown you a way you could solve the questions but you may have your own methods too.

Problems of the Day 2020

Day 16

1 Here are 3 number patterns.

0	5	10	15	20	30
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27	37	57	67	77	87
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32	30	28	26	22	20
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What is the sum of the three missing numbers?

2 Work out the value of each symbol.

$$\triangle + \triangle = 18$$

$$\triangle + \diamond = 30$$

$$\star - \diamond = 10$$

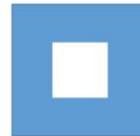


Problems of the Day 2020

Day 16

1 Yasmin has a large blue square piece of paper.

She cuts out a 4 cm x 4 cm square from the centre.



The area of the blue region is 65 cm².
What is the length of the large blue square?



2 Work out the value of each symbol.

$$\triangle + \star + \diamond = 100$$

$$\triangle + \diamond = 67$$

$$\star - \diamond = 18$$

Literacy:

For your literacy today, I would like you to proof read and edit your letters from yesterday. It would be lovely to see what you have done so I have created a folder in Learners Pool called 'Uploaded Work' and then a folder called 'Persuasive Letter Uploads'.

If you have typed them and saved them on your computer, you can upload them to here. Click on 'New' on the left hand side, then select 'File Upload', then find select the file you have saved on your computer.

If you have typed them up on Docs, you will need to name your work (at the top on the left), then just to the right of the name, there is a small icon, which looks like a box with an arrow in it, this is called Move. You then need to find the 'Persuasive Letter Uploads' folder in here.

If you have written it by hand, you can always take a picture and upload it too.

It would be lovely for me to see what you guys have done.

Science:

A slightly different homework for today...

Steve Backshall is doing a home school session on youtube today. It is live at 9:30am and the link is: <https://www.youtube.com/watch?v=LXIOq5tiGfA> (hopefully). If not you can always search 'Steve Backshall Home School' and find it. If you miss the 9:30am live session, I think you should be able to watch it again when you can.

Hopefully this will be a bit of fun and something a bit different for your learning for today. I am not sure what he is going to cover as it is live but I'm sure (knowing him) it will be

entertaining. If you feel inspired by anything he does or says, create something to show this. Again, I would love to see it on our work uploads folder.

Problem of the day answers:

Yellow:

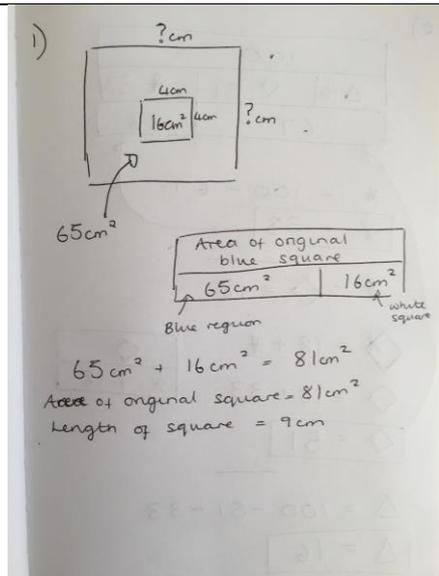
1) Green = 25
 Orange = 47
 Blue = 24

$$\begin{array}{r} 25 \\ + 47 \\ + 24 \\ \hline 96 \end{array}$$

Sum = 96

2) $\Delta = 9$
 $\diamond = 21$
 $\star = 31$

Blue:



2)

100		
Δ 16	\diamond 51	\star 33
67		33

$\star = 100 - 67$
 $\star = 33$

$\star - \diamond = 18$

$\diamond = 18 + \star$

$\diamond = 18 + 33$

$\diamond = 51$

$\Delta = 100 - 51 - 33$
 $\Delta = 16$

Hope you are all keeping safe and looking after yourselves.

Miss Scott