

Dear Year 6!

This is it! You have made it to the end of your home-learning experience and your Primary School education! A **HUGE** WELL DONE to you all. Such a different year, not the way we had planned, but not without some really positive outcomes.

So far, I have had totals from 8 of the enterprise projects and the amazing total so far is £731.86. This will support 8 different charities and just shows what you can achieve with a bit of creative thinking, determination and willpower.

I will keep you posted as more totals come through – maybe we can achieve £1000...which would be an amazing legacy. Please let me know how much you have raised if you haven't done so already.

Today, as a finale, there are a couple of challenges for you. First, your parents have sent in some baby photos of you all. These are posted separately on the class page – such cuties... see if you can work out who is who! Thank you to Jasper's Mum for putting this together.

I have also posted a few 'snips' of photos of each of you from the year (I do love the snipping tool as you know!). See if you can work out who is who from the separate presentation on the class page 'Know your class?'

For the sporty amongst you that are feeling disappointed there has not been a Sports Day this year, check out the Rainbow Games on the Sports Page of the website for some ideas to keep active.

Other than that, there's a bit of Maths to keep you busy and of course, some SPaG.

I hope to see lots of you at the picnic next week so it's not quite over yet..! But, for the last time in this format,

Best Wishes,

Mrs Starbuck



A message from Reverend Alex:

To wish you all well, Reverend Alex has made a special message for you. Follow the link or you will also find this on the Class Page of the website.

<https://youtu.be/QSSXdw5jOlc>

All Saints have also very kindly put together a booklet for you and I will make sure you all get these in the next week or so.

Mrs McCullough's answers from yesterday

Maths Investigation – Marbles in a Box.

Start with a simple 3x3 grid.

There are 8 possible winning lines - 3 horizontal, 3 vertical and 2 diagonal

As there are three identical layers we can multiply 8×3 to find the number for all 3 grids. Total: 24

Now think about winning lines which pass through all 3 layers.

Start by thinking about winning lines which going straight downwards from the top grid. As there are nine squares in the top grid there will be 9 winning lines Total: 9

Now think about each square on the top grid and any winning lines starting on that square which will go diagonally through the layers from here (see diagram) Total: 16

3	1	3
3	0	3
3	1	3

$$24 + 9 + 16 = 49$$

Following the same process the total of winning lines for a 4x4x4 grid is 76

A general algebraic rule is: $3n^2 + 6n + 4$ (where n is 3 or more)

Maths 17.07.20

1. Circle the angle that is bigger than a right angle.



2. What do I multiply by 8 to get 48?

3. What is the value of 6 in 4621?

4. If it is ten past four, what time will it be in half an hour?

5. Can 36 be divided equally?

6. What must be added to two fifths to make a whole?

7. I am thinking of a shape. It has one curved face, two flat faces and no vertices. What shape am I thinking of?

8. Tom has £3.25 and wants to save £5.00. How much more does he need to save?

9. Write a number that could fit.

$$54 < \square < 59$$

10. My bedroom is 3m long and 2m wide. What is the area of my bedroom?

11. A table seats 4 children. How many tables are needed for a class of 28 children?

12. Find the total of £1.25, 24p and 36p.

13. 12 out of 24 children did their home work. Write this as a fraction.

1. Simplify $\frac{1}{4} + \frac{1}{4}$

2. I bought a football in the January sales. It was £20 but had 25% off. How much did I pay?

3. Jake is 1.35m tall. His brother Sam is 42cm taller. How many cm tall is Sam?

4. I have a bath in 12l of water. It takes 10 minutes to run the bath. How many litres of water run in 1 minute?

$$5. 0.5 + \square = 1.7$$

6. Write three thousand two hundred and fifty-nine in numbers.

7. It is December and my birthday was 5 month ago. When is my birthday?

8. Holly has 45p, Molly has 32p and Polly has 13p. How much does each have on average?

9. Write twenty-five past four in the afternoon as it would appear on a 24 hour clock.

10. How many days are there in half a week?

$$11. 12 \times 8 =$$

$$12. (4 \times 3) - (3 \times 2) =$$

13. My hair was 36cm long. I had 50% of it cut off. How long is my hair now?

14. Is 4563 odd or even?

1. Round 36.235 to one decimal place.

2. Make one hundred and twenty five four times larger.

3. How much is 8% of £2?

4. Is the square of 7 odd or even?

5. Add together the largest prime number to the smallest prime number.

4, 6, 7, 14, 18, 19, 22, 23

6. A rain catcher collects 35ml of water every day for a week. How much water is collected in litres?

7. A pack of 6 pencils costs 42p. Find the cost of 5 pencils.

8. Halve two thousand eight hundred and twenty-four.

9. Divide 64 by 4 and double your answer.

$$10. \square - 6\text{km} = 32\text{km}$$

11. It takes Luke 28 minutes to run 5km. How long would it take him to run 15km?

12. Kiran's mom was born in 1978. She is 32 this year. What year is it?

13. Subtract the square root of 49 from the sum of 28 and 15.

Here's a new SPaG challenge – or you may still be working through the 'Tangled Trainers' one.

The Obstacle Course Catastrophe' has been posted separately on the class page of the website.

The Obstacle Course Catastrophe

It's the morning of Sports Day at Wittenberry Junior School and a catastrophe has occurred; the obstacle course had been built but someone has cut a large hole in the net, meaning the race will now be impossible to run.

As Detective Chief Inspector on the case, it is your job to find out which participant sabotaged the equipment. You have taken down the names and descriptions of 30 children who helped to set up the Sports Day equipment. There are also five important clues that have been discovered on the school field.

To crack the case, you will need to solve each clue and check the information with the list of names. Will you be able to solve the mystery and return the correct equipment before Sports Day is over?

Good luck!



Maths answers for today

1. Circle the angle that is bigger than a right angle.



2. What do I multiply by 8 to get 48? **6**

3. What is the value of 6 in 4621? **six hundred or 600**

4. If it is ten past four, what time will it be in half an hour? **Twenty to five or 4:40**

5. Can 36 be divided equally? **Yes**

6. What must be added to two fifths to make a whole? **three fifths or 3/5**

7. I am thinking of a shape. It has one curved face, two flat faces and no vertices. What shape am I thinking of? **cylinder**

8. Tom has £3.25 and wants to save £5.00. How much more does he need to save? **£1.75**

9. Write a number that could fit.

54 < 55, 56, 57, 58 < 59

10. My bedroom is 3m long and 2m wide. What is the area of my bedroom? **6m²**

11. A table seats 4 children. How many tables are needed for a class of 28 children? **7**

12. Find the total of £1.25, 24p and 36p. **£1.85**

13. 12 out of 24 children did their home work. Write this as a fraction. **1/2**

1. Simplify $\frac{1}{4} + \frac{3}{4}$. **1/2**

2. I bought a football in the January sales. It was £20 but had 25% off. How much did I pay? **£15**

3. Jake is 1.35m tall. His brother Sam is 42cm taller. How many cm tall is Sam?

177cm or 1.77m

4. I have a bath in 12l of water. It takes 10 minutes to run the bath. How many litres of water run in 1 minute? **1.2l**

5. $0.5 + 1.2 = 1.7$

6. Write three thousand two hundred and fifty-nine in numbers. **3259**

7. It is December and my birthday was 5 month ago. When is my birthday? **July**

8. Holly has 45p, Molly has 32p and Polly has 13p. How much does each have on average? **30p**

9. Write twenty-five past four in the afternoon as it would appear on a 24 hour clock. **16:25**

10. How many days are there in half a week? **3.5**

11. $12 \times 8 = 96$

12. $(4 \times 3) - (3 \times 2) = 6$

13. My hair was 36cm long. I had 50% of it cut off. How long is my hair now? **18cm**

14. Is 4563 odd or even? **odd**

1. Round 36.235 to one decimal place. **36.2**

2. Make one hundred and twenty five four times larger. **500**

3. How much is 8% of £2? **16p**

4. Is the square of 7 odd or even? **odd**

5. Add together the largest prime number to the smallest prime number. **30**

4, 6, **7**, 14, 18, 19, 22, **23**

6. A rain catcher collects 35ml of water every day for a week. How much water is collected in litres? **0.245 litres**

7. A pack of 6 pencils costs 42p. Find the cost of 5 pencils. **35p**

8. Halve two thousand eight hundred and twenty-four. **1412**

9. Divide 64 by 4 and double your answer. **32**

10. $38\text{km} - 6\text{km} = 32\text{km}$

11. It takes Luke 28 minutes to run 5km. How long would it take him to run 15km? **84minutes or 1 hour 24 minutes**

12. Kiran's mom was born in 1978. She is 32 this year. What year is it? **2010**

13. Subtract the square root of 49 from the sum of 28 and 15. **36**