

Pasteur and Cylinders

L.O. Solve any up to 2d-2d subtraction using decomposition. Pasteur Cylinders Remember to:	What I think	What my teacher thinks
Write the smaller number above the larger number, accurately in columns, noting place value.	☐	☐
Subtract the 'ones' first, deciding if you need to 'steal' from the tens column, and record the result.	☐	☐
Subtract the tens and record the result.	☐	☐
Check that the result is accurate by doing the opposite operation.	☐	☐
★ Use your prior learning to use addition, if needed.	☐	☐
<u>Do me first.</u> How many sides... One square? Two squares? Three squares?		

- The 58 children of the Skywalkers and Varjak Paws classes have returned from a trip. 32 children who are walking home on their own get off the coach first. How many children are left on board?
 - How many children are likely to have left a coat or lunch bag behind on the coach?
- Football derby matches can be an exciting experience. In the last match between Crosspool Junior FC and Nether Green Junior FC, there were 72 fans watching. At half time, Crosspool were being beaten 8-0 and 31 of their fans went home. How many fans remained?
 - ★ If there were 11 children playing and a coach for each team, and three officials, how many people were left on and around the pitch at full time?
- Mrs Leverton has a collection of 94 Panini football stickers of Sheffield Wednesday players and coaches. She realises that this is too many to fit in the sticker album, which only has space for 76 stickers. How many stickers does she need to give away so that all of her stickers will fit in the album?
 - Fortunately, Mr Leverton found another identical album on eBay, so Mrs Leverton keeps all 94 of her stickers. ★ How many more stickers does she need to fill both albums?

- 4) a) Between the two Y5 classes, there are 28 dictionaries (they are new ones, with all of their pages!) The Varjak Paw class need 19 of them for a SPaG lesson. How many dictionaries are left?
b) Hearing how good we are at sharing dictionaries, the Fantastic Foxes have asked to borrow four. How many dictionaries are left now?
- 5) a) During a PE lesson we started on the top yard with fourteen tennis balls and on the bottom yard with 16. At the end of the lesson, there are only 23 balls from both yards. How many balls went over or through the fence and down Whitehouse Lane?
b) On a scale of 1 to 10 (where 1 is not very grumpy, and 10 is extremely grumpy), how grumpy was the PE coordinator when we told them about all of the lost tennis balls?

Curie and Pyramids

Descartes and Spheres

L.O. Solve any up to 3d-3d subtraction using decomposition. Curie Pyramids Descartes Spheres Remember to:	What I think	What my teacher thinks
Write the smaller number above the larger number, accurately in columns, noting place value.	☐	☐
Subtract the 'ones' first, deciding if you need to 'steal' from the tens column, and record the result.	☐	☐
Then subtract the 'tens', deciding if you need to 'steal' from the hundreds column, and record the result.	☐	☐
Subtract the hundreds and record the result	☐	☐
Check that the result is accurate by using the opposite operation.	☐	☐
 Use your prior learning to use addition, if needed.	☐	☐
<u>Do me first.</u> How many sides... One square? Two squares and a triangle? Three rectangles, 2 triangles and a hexagon?		

- 1) a) The 118 children of Key Stage 2 have returned from a trip. 49 children who are walking home on their own get off the coaches first. How many children are left on board?
b) How many children are likely to have left a coat or lunch bag behind on the coaches?
- 2) a) Football derby matches can be an exciting experience. In the last match between Crosspool Junior FC and Nether Green Junior FC, there were 258 fans watching. At half time, Crosspool were being beaten 8-0 and 79 of their fans went home. How many fans remained?
b)  If there were 11 children playing and a coach for each team, and three officials, how many people were left on and around the pitch at full time?

- 3) a) Mrs Leverton has a collection of 294 Panini football stickers of Sheffield Wednesday players and coaches (some of them aren't very well known!) She realises that this is too many to fit in her three sticker albums, which only have space for 76 stickers each. How many stickers does she need to give away so that all of her stickers will fit in the albums?
- b) Fortunately, Mr Leverton found another identical album on eBay, so Mrs Leverton keeps all 294 of her stickers. ★ How many more stickers does she need to fill all four albums? How likely is she to find this many additional Sheffield Wednesday stars?
- 4) a) Between the two Y5 classes, there are 48 dictionaries (they are new ones, with all of their pages!) The Varjak Paw class need 29 of them for a SPaG lesson. How many dictionaries are left?
- b) Hearing how good we are at sharing dictionaries, the Fantastic Foxes have asked to borrow twelve. How many dictionaries are left now?
- 5) a) During all Key Stage 2 PE lessons over a week, we started on the top yard with one hundred and twenty-two tennis balls and on the bottom yard with 216. At the end of the week, there are only 297 balls from both yards. How many balls went over or through the fence and down Whitehouse Lane?
- b) On a scale of 1 to 10 (where 1 is not very grumpy, and 10 is extremely grumpy), how grumpy was the PE coordinator when we told them about all of the lost tennis balls?

Verne and Cubes

De Gaulle and Cuboids

L.O. Solve any up to 4d-4d subtraction using decomposition. Verne Cubes De Gaulle Cuboids Remember to:	What I think	What my teacher thinks
Write the smaller number above the larger number, accurately in columns, noting place value.	☐	☐
Subtract the 'ones' first, deciding if you need to 'steal' from the tens column, and record the result.	☐	☐
Then subtract the 'tens', deciding if you need to 'steal' from the hundreds column, and record the result.	☐	☐
Then subtract the 'hundreds', deciding if you need to 'steal' from the thousands column, and record the result.	☐	☐
Subtract the thousands and record the result.	☐	☐
Check that the result is accurate by using the inverse operation.	☐	☐
 Use your prior learning to use addition, if needed.	☐	☐
<u>Do me first.</u> How many sides... Three hexagons? 2 squares and a pentagon? Three pentagons, 4 triangles, five rectangles and a nonagon?		

- 1) a) The 118 children of Key Stage 2 have returned from a trip. 49 children who are walking home on their own get off the coaches first. How many children are left on board?
b) How many children are likely to have left a coat or lunch bag behind on the coaches?
- 2) a) Football derby matches can be an exciting experience. In the two League Cup matches in 2020 between Manchester City and Manchester United there was a total attendance of 121140. For the second match the attendance was 52117. How many fans attended the first match?
b)  Ten minutes before full time in the first match, there were 67911 fans in the stadium. How many had left to 'beat the traffic'?

- 3) a) Mrs Leverton has a collection of 1294 Panini football stickers of Sheffield Wednesday players and coaches (some of them aren't very well known!) She realises that this is too many to fit in her four sticker albums, which only have space for 276 stickers each. How many stickers does she need to give away so that all of her stickers will fit in the albums?
- b) Fortunately, Mr Leverton found another identical album on eBay, so Mrs Leverton keeps all 1294 of her stickers. ★ How many more stickers does she need to fill all five albums? How likely is she to find this many additional Sheffield Wednesday stars?
- 4) a) In September 2019, the stock cupboard contained 2354 whiteboard pens and 1456 gluesticks. How many more whiteboard pens were there than gluesticks?
- b) A further 1287 whiteboard pens and 345 gluesticks were delivered over February half term. How many of each had been delivered all together?
- c) ★ What is the difference between the total number of whiteboard pens and the total number of gluesticks?
- d) Why were there none of either left by Easter?

- 5) a) According to Sheffield City Council, this was the size of the population of Sheffield at certain points in time;

Year	Population
1801	60100
1851	161500
1901	451200
1951	577050
Now	575420

By how much did the population grow between 1851 and 1901?

By how much has the population decreased between 1951 and today?

By how much has the population increased between 1801 and today?