

S1 Literacy Day

Can we Solve It !

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Task

Your task is to answer the questions opposite to reveal the combination that will unlock the treasure chest to reveal your hidden prize. Once completed, you must show all your working to your teacher who will check it. Before you start, you need to collect plain paper from your teacher. This must be used for your working. Only the answers should appear on the sheet opposite. You may only use a pencil to complete your sheet. Note that the correct answers will only give you the numbers contained in the combination.

Rules

1. Clear working must be shown.
2. Each member of the team must agree to each answer.
3. Each member of the team must explain at least one answer to the teacher.
4. You can only ask the teacher one question.

Clues

Q1. A baker's dozen squared minus a dozen squared, subtract a dozen and finally add negative thirteen is the answer to question five.

Q2. The number of dots in the 8th square number minus the number of dots in the 10th triangular number is the answer to question one.

Q3. The number of steps on the main stairway in the social area divide by four.

Q4. The number of degrees in two circles divided by the number of degrees in a right angle is the answer to question two.

Q5. The answer to question four is the number that should go in the first blank box divided by the number that goes in the second blank box.

3	3
39	
12	6

4	2
55	
12	9

2	3
29	
11	10

3	2
[Red]	
14	8

3	2
8	
5	8

1	3
10	
8	6

4	4
5	
5	8

3	3
[Red]	
6	8

Enter your final code into the boxes below.