- COMBINATION CRACKER - COMBINATION 2 -

| | 1. | | 1 |
|---|--|-------------|------------|
| | Instruction | Working out | New Result |
| Α | In the following equation Y=7x+4 What is the slope? | | |
| b | If you raise the previous equation's graph up 3 units, what would the y-intercept be? | | |
| С | Multiply answers a and b | | |
| d | Evaluate 2c+2 where c is the answer from c above | | |
| е | The answer for d is what percent of 27? Rounded to a whole number. | | |
| f | Add e to 1230 | | |
| g | Take the square root of f | | |
| h | Multiply g by the number that is the denominator of the simplest fraction that is equivalent to 25% | | |
| i | Multiply the number of days in August to h | | |
| j | Add the answer for i to the year that Albert Einstein was born. | | |
| k | Three quarters of j, rounded to a whole # | | |
| | Add the magic constant of Dürer's magic square to k | | |
| m | Subtract the value of pi rounded to the nearest whole number from I | | |
| n | Subtract the year that Pythagoras was born from m, then add 200 | | |
| 0 | Divide your answer for n by 239 | | |
| р | Using your answer for o as one leg of a right triangle and 13 as the other leg, find the hypotenuse, whole # | | |

See www.teacherLED.com for supporting IWB "Combination Cracker" resource

| q | Multiply p by the number of credits you need to graduate from high school in TX | |
|---|--|--|
| r | If q is the volume of a cylinder with a radius of 2, what is the height? Round to a whole # | |
| S | Add treinta y cuatro to r (The number is given in Spanish) | |
| t | Add s to 4500 | |
| u | Divide t by the # of yards in a fathom | |
| V | Double u (haha) | |
| W | Divide v by the number of math credits needed under the recommended graduation plan for high school in TX. | |
| х | Multiply w by 3 | |
| У | Deduct the year that is known as the 'The Year of Three Emperors' in Germany | |
| Z | Add the number of faces found on a icosahedron to y. Now you have the code!Great Job. | |