



## Golden Numbers Investigation

1. Using a normal pencil, draw hops of 2 along your numbered line (on the next page), starting on 0 and finishing on 40.
2. Now, use a blue pen and draw hops of 3 along the numbered line.
3. Next, take a green pen and draw hops of 4 along the line.
4. Finally, use a red pen and draw hops of 5 along the line.
5. Look together and identify numbers which have any THREE hops landing on them. Circle these numbers in gold.
6. Look at the golden numbers together. Write them in a line on a piece of paper.
7. Can you predict which will be the next golden number? Discuss it and write some suggestions. How could you test this?
8. Look at the numbers where the three hops are grey, blue and green. Write these numbers in a line. Can you predict the next one?
9. Look at the numbers where the three hops are grey, green and red. Write these in a line. Can you predict the next one?
10. Find the number where the three hops are grey, blue and red. What do you think the next one of these would be?

**CHALLENGE: Can you find the next golden numbers?**





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0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

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