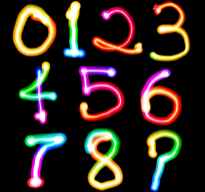
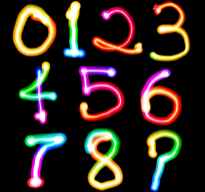
*TERM 3 FAMILY MATHS CHALLENGE* *ANSWERS*

**Here are the Term 3 Family Maths Challenge answers. I thank you for giving it a go with your family.**

**Stay tuned for the final maths challenge of the year.**

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| **CHALLENGE ONE**  **SO MANY COINS**  I have 5 coins in my pocket.  How much money might I have?  Can you find 3 different totals?    **Answers – A large range of answers ranging from 25 cents to $10.** | **CHALLENGE TWO**  **SPORTS SHOPPING**  A soccer ball and basketball cost $34 altogether.  The soccer ball costs $8 more than the basketball.  How much does the basketball cost?    **Answer – Basketball $13**  **Soccer Ball - $21** | **CHALLENGE THREE**  **MONEY BAGS**  Lucy divided 15 gold coins among 4 small bags.  She labelled each bag with the number of coins inside it. She could then pay any sum of money from 1 gold coin to 15 gold coins without opening any bag.  How many coins did Lucy put in each bag?    **Answer -**  **Bag 1 – 1**  **Bag 2 – 2**  **Bag 3 – 4**  **Bag 4 - 8** | **CHALLENGE FOUR**  **WHICH WOULD YOU CHOOSE?**  Would you rather ……   * Have 10% of of $5 or **75% of 80 cents?** * Be given 60 % of 2 pizzas or **26% of 5 pizzas?** * Be bitten by 15% of 120 mosquitoes or **8% of 250 mosquitoes?** * Sit in a traffic jam for 33% of 2 hours or **44% of 1 hour and 40 minutes.**   Make sure you explain your reasoning clearly.  **Answers highlighted in bold.** |