

NCC 2015

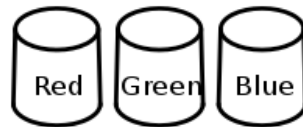
Part A

Student name: _____

1. What is $47 - 29$?

Answer: _____

2. Alice is a little sad that she has only three jars of colours. Bob cheers her up by telling her that in addition to her three colours, she can mix any two of them together to make a new colour, or she can mix all three. Including her three original colours, how many colours can Alice make? (Assume that when mixing colours, Alice uses an equal amount of each colour.)



Answer: _____

3. A book costs \$10 while 1 pencil and 1 eraser together cost \$3. How much do 3 books, 10 pencils, and 10 erasers cost together?

Answer: _____

4. Daniel has 14 books and Ben has 22 books. In order for them to have the same number of books, how many books does Ben have to give Daniel?

Answer: _____

5. The supermarket sells potatoes in 2kg, 5kg, and 10kg bags. The prices are shown below:

Weight	2kg	5kg	10kg
Price	\$3	\$7	\$13

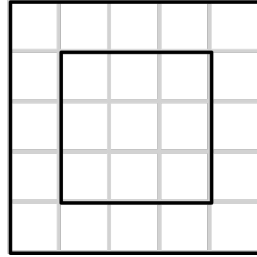
What is the cheapest price for 15kg of potatoes?

Answer: _____

Part A

Student name: _____

6. Hiro and Baymax are trying to share the below pictured cake that has been divided into equal squares. Hiro eats the 3×3 square in the center, while Baymax eats the rest of the cake: the ring around Hiro’s big square. How many more squares of cake than Hiro does Baymax eat?



Answer: _____

7. David has two alarm clocks. One of them starts ringing at 11:00, and rings every 7 minutes. The other one starts ringing at 11:05, and rings every 6 minutes. David finally wakes up when they both ring at the same time. At what time does David wake up?

Answer: _____

8. If February 4 is a Thursday, what day of the week is February 29?

Answer: _____