(NMOS-2015-R1-Q16) A glass with water weighs 132 grams when it is one-third full and 173 grams when it is half full. What is the weight, in grams, of a full glass of water?

(NMOS-2019-R1-Q3) Ian wanted to finish reading a book in 4 days. He completed reading 40% of the book on the 1st day. He read 20% of the remaining pages on the 2nd day. On the 3rd day, he read three times the number of pages he read on the 2nd day. Find the number of pages Ian read on the last day as a percentage of what he read on the 1st day. (For example, if your answer is 10%, shade the answer as "10%".)

(NMOS-2016-R1-Q11) A glass contains a certain amount of oil and water. 90% of the mixture is water, and 10% is oil. After adding 105 ml of water to the glass, 96% of this new mixture is water. Find the amount of oil, in ml, in the glass.

(NMOS-2016-R1-Q26) A shopkeeper bought 550 oranges and some apples. He found that 8% of the oranges and 2% of the apples were rotten and hence the percentage of fruits in good condition was 95.25%. How many apples did the shopkeeper buy?

(NMOS-2021-R1-Q2) The measures of angles A, B, C and D of a quadrilateral $ABCD$ are in the ratio $1:2:3:4$. Determine the smallest angle in degrees.

(NMOS-2017-R1-Q9) Miss Ng planned to distribute some candies among Ariel, Benedict and Cindy in the ratio $5:4:3$ on Children's Day. But she made a small calculation mistake, and the ratio became $7:6:5$ on the actual day. If one of the three children received 15 less candies than as planned, how many candies did Benedict receive on the actual day?