



Day 22 - 26th May

Jeremy had a total of 60 figurines of Smurf, Lego and Ironman. The ratio of the number of Smurf figurines to Lego figurines to Ironman figurines was 2 : 7 : 3. He bought another 36 figurines. As a result, the number of Smurf figurines was increased by 50% and the number of Lego figurines was increased by 20%.

Find the percentage increase in the number of Ironman figurines.



Day 23 - 27th May

In a telematch, Ryan and Bala competed with each other to get from the starting line to the finishing line by playing the Scissors-Paper-Stone game. Each win of the game allows the winner to move forward by 3 steps. The loser moves backward by 1 step. Ryan played 50 times of the game with Bala and crossed the finishing line first. There were 94 steps between the starting line and the finishing line. How many times did Ryan win the game?



Day 24 - 28th May

Max paid \$7.70 for 6 erasers and 4 pens. With the same amount of money, he could buy 14 erasers. If he had decided to buy pens only, how many pens could he buy with \$19.80?



Day 25 - 29th May

Four boxes, A, B, C and D, contain some marbles. Box D contains 108 marbles. Box A contains $\frac{3}{4}$ of the total number of marbles in boxes B, C and D. The ratio of the number of marbles in box B to the total number of marbles in boxes C and D is 1 : 3. Box C contains 4 times the number of marbles in box D. How many marbles are there altogether in the four boxes?



Day 26 – 30th May

There were 1 570 pupils in a school at the beginning of the year. The ratio of the number of Chinese pupils to Malay pupils to Indian pupils was 5 : 3 : 2. In the middle of the year, 463 Chinese pupils joined the school while some Malay pupils and Indian pupils left the school. The percentage of Chinese pupils increased to 78% while the number of Malay pupils is equal to the number of Indian pupils.

- (a) How many Indian pupils left the school in the middle of the year?
- (b) What is the percentage decrease in the number of Indian pupils?
Leave your answer correct to 1 decimal place.



Day 27 - 31st May

Farmer Brown had a total of 632 chickens and ducks. After he bought another 54 chickens and sold 12.5% of the ducks, the ratio of the number of chickens to the number of ducks was 6 : 7 respectively.

- (a) How many chickens were there at first?
- (b) Express the number of chickens as a fraction of the number of ducks at first.



Day 28 - 1st June

There were 3 boxes, X, Y and Z, containing 172 fruits altogether. Mrs Teo added some fruits into Box X and the number of fruits in Box X doubled.

She removed $\frac{2}{3}$ of the number of fruits from Box Y and added another 20 fruits into Box Z. In the end, the number of fruits in Box X, Y and Z are in the ratio of 6 : 3 : 4 respectively.

- (a) How many fruits were there in Box Y at first?
- (b) What is the ratio of number of fruits in Box Z to the total number of fruits at first?