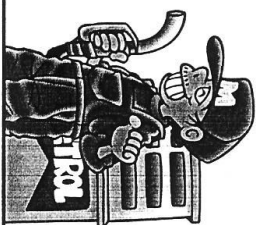


▶▶▶ PSLE PIT STOP

Fraction, Ratio, Percentage

Fraction, Ratio and Percentage are 3 core topics in the PSLE. How proficient are you in solving word problems involving these topics? Use the following sampler as a mini-evaluation of your level of readiness.



SET A

Question 1

Among the 400 participants of a cross-cultural exchange programme, 70 of them were teachers and the rest were students. $\frac{2}{5}$ of the male students and $\frac{1}{2}$ of the female students were Singaporeans while the rest of the students were Chinese. Given that there was an equal number of male and female Chinese students,

- how many students were Singaporeans?
- what fraction of the participants were Chinese students?

Question 2

Among all the teenagers who have been interviewed, 60 of them aspire to become artists, 80% of the remaining interviewees aspire to become entrepreneurs while the rest aspire to become sportsmen. If 10% of all the interviewees aspire to become sportsmen, how many of them aspire to become entrepreneurs?

Question 3

At first, the ratio of the number of men to the number of women at a conference was 3 : 5. After 20 men and 50 women left, there was an equal number of men and women left. How many women were at the conference at first?

You should not spend more than 20 min solving the above problems. When you are done, check your working against the solution on Page 28 to see how you have fared.

Evaluation

If you have absolutely no idea how to solve the problems in Set A, you are not alone. Nevertheless, it is important for you to seek help as soon as possible. There is no time to waste!

If you can only handle part of the problems in Set A, clarify your doubts with your friends, teacher or tutor. Also, try the problems in Set B to gain more experience.

If you can answer all the questions in sets A and B correctly, give yourself a pat on the back but don't be complacent. These 6 problems are not sufficient to represent all the possible types of problems that you can be tested.

SET B

Question 1

Among the junior college students who helped out in Oasis Fund-raising Project, some were from Year 1 and the rest were from Year 2. $\frac{4}{7}$ of the Year 1 helpers were girls and $\frac{1}{4}$ of the Year 2 helpers were boys. Given that $\frac{2}{5}$ of the female helpers were from Year 1 and there were 9 more Year 2 helpers than Year 1 helpers, how many junior college students helped out in the Project?

Question 2

At the Happy Family Carnival, 28% of the people were adults and the rest were children. Given that there were 216 girls and 40% of the children were boys, find the total number of people at the carnival.

Question 3

At first, the ratio of the number of boys to the number of girls in Metta School was 5 : 3. After 75 boys and 30 girls joined the school, there are now twice as many boys as girls in the school. How many students were at Metta School at first?