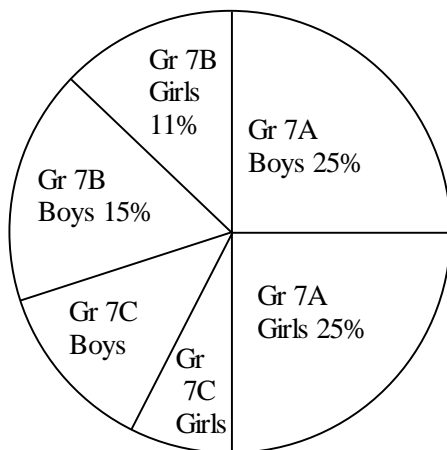


Grade 7 Maths Worksheet

Interpretation of a pie chart

Questions:

1. The pie chart below shows the percentage breakdown of learners who are interested in participating in the school's annual revue concert.



- a) In the pie chart, what percentages will be the 7C class make up?
- b) If the ratio of boys to girls in the Grade 7C class is 7 : 5, what percentage of the 7C's will be boys?

Grade 7 Maths Worksheet

Solution

1. a) So the 7C class = $100 - 25 - 11 - 15 - 25 = 24\%$.
- b) $B : G = 7 : 5$. So $\frac{B}{G} = \frac{7}{5}$ and then $B = \frac{7}{5}G$. The pie charts shows totals of 100%. So then Boys = $\frac{7}{12} \times 24 = 14$. So 14% of the learners in Gr 7C are boys.

Forming the ratios and moving to the fraction always avoids the reversal error when working with ratios.

Appendix of Assignment Tools

Pie Chart
Ratio and proportion
Fractions
Percentage
Rounding