1. **Out of 81 students, $\frac{8}{9}$ were absent. How many students were absent and how many were present?**

Number of students	81
Number of students were absent	$\frac{8}{9}$ of 81
	= 81 ÷ 9 = 9
	= 8 x 9 = 72
∴ Number of students were present	= 81 – 72 = 9

   Ans. <u>72</u> students were absent and <u>9</u> students were present.

2. **Convert to like fraction and compare.**

   a) $\frac{3}{7}$ ☐ $\frac{5}{6}$

   L. C. M. of 7 and 6 is 42

   $$\frac{3}{7} = \frac{3 \, X \, 6}{7 \, X \, 6} = \frac{18}{42}$$

   $$\frac{5}{6} = \frac{5 \, X \, 7}{6 \, X \, 7} = \frac{35}{42}$$

   Since, 35 > 18

   So, $\frac{35}{42} > \frac{18}{42}$

   $= \frac{5}{6} > \frac{3}{7}$

   Ans. $\frac{5}{6}$ $\boxed{>}$ $\frac{3}{7}$

3. Solve:

a) $5\frac{2}{3} + 6\frac{3}{7}$

$$= \frac{3 \times 5 + 2}{3} + \frac{7 \times 6 + 3}{7}$$

$$= \frac{17}{3} + \frac{45}{7}$$

$$= \frac{17 \times 7}{3 \times 7} + \frac{45 \times 3}{7 \times 3}$$

$$= \frac{119}{21} + \frac{135}{21}$$

$$= \frac{119 + 135}{21}$$

$$= \frac{254}{21}$$

$$= 12\frac{2}{21}$$

Ans. $12\frac{2}{21}$

4. There was $\frac{8}{9}$ litres of juice in a bottle. A boy drank $\frac{4}{5}$ litres. How much juice was left in the bottle?

Amount of juice in a bottle	$\frac{8}{9}$ litres
Amount of juice the girl drank	$\frac{4}{5}$ litres
$\therefore$ Amount of juice was left	$= \frac{8}{9} - \frac{4}{5}$
	$= \frac{8 \times 5}{9 \times 5} - \frac{4 \times 9}{5 \times 9}$
	$= \frac{40}{45} - \frac{36}{45}$
	$= \frac{40 - 36}{45}$
	$= \frac{4}{45}$

Ans. $\frac{4}{45}$ **litres** of juice was left in the bottle.

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