Communication   Successful Partnership   Encouragement   Solving Problem Together   Collaboration

Part 1-2 Classwork

No Calculators

Simplify!

Question 01

$$\frac{20}{35} = \begin{array}{c} \div 5 \\ \div 5 \end{array} \quad \boxed{\frac{4}{7}}$$

Question 02

$$\frac{12}{60} = \begin{array}{c} \div 2 \\ \div 2 \end{array} \quad \frac{6}{30} \begin{array}{c} \div 2 \\ \div 2 \end{array} \quad \frac{3}{15} \begin{array}{c} \div 3 \\ \div 3 \end{array} \quad \boxed{\frac{1}{5}}$$

Question 03

$$\frac{24}{30} = \begin{array}{c} \div 2 \\ \div 2 \end{array} \quad \frac{12}{15} \begin{array}{c} \div 3 \\ \div 3 \end{array} \quad \boxed{\frac{4}{5}}$$

Question 04

$$\frac{6}{27} = \begin{array}{c} \div 3 \\ \div 3 \end{array} \quad \boxed{\frac{2}{9}}$$

Question 05

$$\frac{21}{60} = \begin{matrix} \div 3 \\ \div 3 \end{matrix} \quad \boxed{\frac{7}{20}}$$

Question 06

$$\frac{16}{22} = \begin{matrix} \div 2 \\ \div 2 \end{matrix} \quad \boxed{\frac{8}{11}}$$

Question 07

$$\frac{90}{162} = \begin{matrix} \div 2 \\ \div 2 \end{matrix} \quad \frac{45}{81} \begin{matrix} \div 3 \\ \div 3 \end{matrix} \quad \frac{15}{27} \begin{matrix} \div 3 \\ \div 3 \end{matrix} \quad \boxed{\frac{5}{9}}$$

Question 08

$$\frac{33}{63} = \begin{matrix} \div 3 \\ \div 3 \end{matrix} \quad \boxed{\frac{11}{21}}$$

Question 09

$$\frac{12}{15} = \begin{matrix} \div 3 \\ \div 3 \end{matrix} \quad \boxed{\frac{4}{5}}$$

remember!
Sometimes you
have to go
beyond 2, 3, 5
to simplify!

Question 10

$$\frac{416}{1664} = \begin{matrix} \div 2 \\ \div 2 \end{matrix} \frac{208}{832} \begin{matrix} \div 2 \\ \div 2 \end{matrix} \frac{104}{416} \begin{matrix} \div 2 \\ \div 2 \end{matrix} \frac{52}{208} \begin{matrix} \div 2 \\ \div 2 \end{matrix} \frac{26}{104} \begin{matrix} \div 2 \\ \div 2 \end{matrix} \frac{13}{52} \begin{matrix} \div 13 \\ \div 13 \end{matrix} \boxed{\frac{1}{4}}$$