29/4/2020 – MUTLIPLYING FRACTIONS BY INTEGERS

Multiply the following pairs of fractions:

A1) $\dfrac{1}{5} \times \dfrac{1}{4} = \dfrac{1}{20}$

A2) $\dfrac{3}{4} \times \dfrac{7}{8} = \dfrac{21}{32}$

A3) $\dfrac{3}{7} \times \dfrac{3}{5} = \dfrac{9}{35}$

A4) $\dfrac{9}{11} \times \dfrac{3}{5} = \dfrac{27}{55}$

Multiply the following pairs of fractions and express the answer in its simplest form:

B1) $\dfrac{2}{3} \times \dfrac{6}{9} = \dfrac{12}{27} = \dfrac{4}{9}$

B2) $\dfrac{2}{5} \times \dfrac{4}{6} = \dfrac{8}{30} = \dfrac{4}{15}$

B3) $\dfrac{1}{3} \times \dfrac{9}{11} = \dfrac{9}{33} = \dfrac{3}{11}$

B4) $\dfrac{4}{6} \times \dfrac{6}{10} = \dfrac{24}{60} = \dfrac{2}{5}$

C1) $2\dfrac{1}{5} \times \dfrac{1}{3} = \dfrac{9}{5} \times \dfrac{1}{3} = \dfrac{9}{15} = \dfrac{3}{5}$

C2) $1\dfrac{5}{8} \times \dfrac{2}{5} = \dfrac{13}{8} \times \dfrac{2}{5} = \dfrac{26}{40} = \dfrac{13}{20}$

C3) $\dfrac{3}{4} \times \dfrac{3}{5} = \dfrac{9}{20}$

C4) $\dfrac{3}{4} \times \dfrac{1}{3} = \dfrac{1}{4}$

D1) Ellie had a piece of ribbon that was $\dfrac{3}{4}$m long. She cut it and gave half to Grace. **What fraction of a metre did she give to Grace?** $\dfrac{3}{8}$m

D2) $\left(\boxed{1\tfrac{1}{2}} + \boxed{3\tfrac{1}{2}} \right) \times \boxed{2}$ or $\left(\boxed{\tfrac{1}{2}} + \boxed{3\tfrac{1}{2}} \right) \times \boxed{2\tfrac{1}{2}}$