**“Show that…” – Multiplying and Dividing Fractions – Possible Workings**

Look at the “Show that…” questions below and fill in a minimum of two workings rows.

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| 1 | Show that $\frac{3}{4}×\frac{8}{15}=\frac{2}{5}$ |  | 2 | Show that $\frac{7}{12}÷\frac{14}{15}=\frac{5}{8}$ |
|  | Multiply: $\frac{24}{60}$ |  |  | Reciprocal of divisor: $\frac{7}{12}×\frac{15}{14}$ |
|  | Simplify: $\frac{2}{5}$ |  |  | Multiply: $\frac{105}{168}$ |
|  |  |  |  | Simplify: $\frac{5}{8}$ |
|  |  |  |  |  |
| 3 | Show that $1\frac{1}{3}×\frac{5}{8}=\frac{5}{6}$ |  | 4 | Show that $2\frac{2}{3}÷1\frac{3}{5}=1\frac{2}{3}$ |
|  | Make improper: $\frac{4}{3}×\frac{5}{8}$ |  |  | Make improper: $\frac{8}{3}÷\frac{8}{5}$ |
|  | Multiply: $\frac{20}{24}$ |  |  | Reciprocal of divisor: $\frac{8}{3}×\frac{5}{8}$ |
|  | Simplify: $\frac{5}{6}$ |  |  | Multiply and simplify: $\frac{40}{24}$ |
|  |  |  |  | Simplify: $\frac{5}{3}=1\frac{2}{3}$ |
|  |  |  |  |  |
| 5 | Show that $1\frac{5}{9}×2\frac{1}{4}=3\frac{1}{2}$ |  | 6 | Show that $3\frac{3}{10}÷1\frac{7}{15}=2\frac{1}{4}$ |
|  | Make improper: $\frac{14}{9}×\frac{9}{4}$ |  |  | Make improper: $\frac{33}{10}÷\frac{22}{15}$ |
|  | Multiply: $\frac{126}{36}$ |  |  | Reciprocal of divisor: $\frac{33}{10}×\frac{15}{22}$ |
|  | Simplify: $\frac{7}{2}=3\frac{1}{2}$ |  |  | Multiply and simplify: $\frac{495}{220}$ |
|  |  |  |  | Simplify: $\frac{9}{4}=2\frac{1}{4}$ |