

DEVELOPMENT OF TPACK OF PRESERVICE SECONDARY MATHEMATICS TEACHERS

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$$\frac{59}{24} \xrightarrow{-\frac{7}{8}} \boxed{A} \xrightarrow{+\frac{2}{3}} \frac{9}{4} \xrightarrow{-\frac{1}{4}} 2 \xrightarrow{-\frac{1}{8}} \frac{15}{8} \xrightarrow{+\frac{3}{2}} \boxed{B} \frac{27}{8}$$

Handwritten work showing the same sequence of operations as the digital version above, with intermediate steps and calculations.

Before

- a group interview
- crucial skills
- expectations
- experiences

After

- a comparison the PSMTs feedback
- discussion
- measurement

During

- a development of TPACK
- group work and lesson plans
- digital technologies

