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**On the relationship between mathematics example learning and mathematics skills forming.**

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Summary: The learning of mathematical examples is one of the important ways to gain knowledge and skills. Mathematical examples can provide methods for students to study and imitate, which can provide necessary principles and clues that help students in their thinking activities, thus simplifying the process of learning new knowledge and skills. Generally, the proper use of mathematical examples can be an effective way of learning mathematics, reduce cognitive load and improve learning efficiency.

*Classification:* D40

*Keywords:* teaching by examples; teaching methods; transfer of training; mathematics learning efficiency; effectiveness; problem centred teaching