



Multiple pathways connect the concepts and skills students learn on their journey to understanding, and different students will travel down different paths. Students need instruction customized for their unique path to achievement.

The Enhanced Learning Maps project helps teachers map out personalized paths for student success.

### Learn More

To learn more about the Enhanced Learning Maps project and how to partner with us in this innovative research, please visit [enhancedlearningmaps.org](http://enhancedlearningmaps.org) or email [EnhancedLM@ku.edu](mailto:EnhancedLM@ku.edu).



**KU**

CENTER FOR  
ASSESSMENT & ACCOUNTABILITY  
RESEARCH & DESIGN  
The University of Kansas



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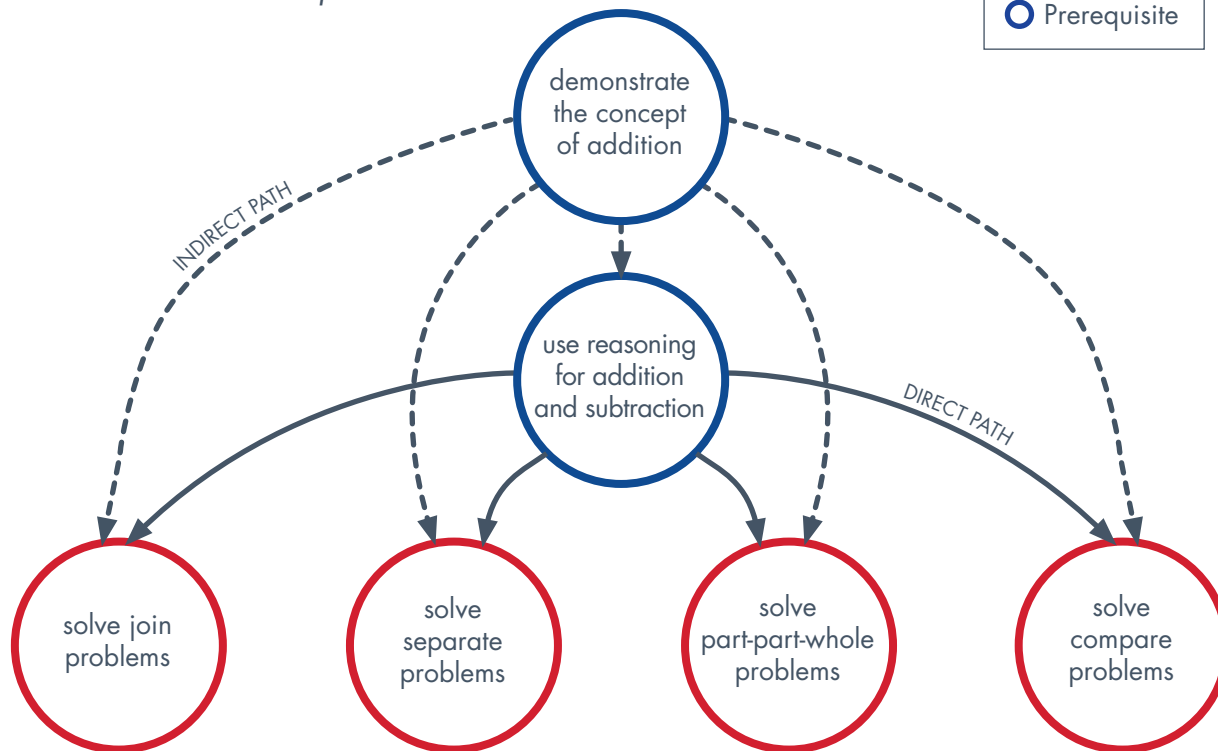
The path to achievement is not linear.



**Sample learning map model**  
for using addition and subtraction  
within 20 to solve problems

**KEY**

- Target skill
- Prerequisite



## About the Enhanced Learning Maps Project

The Enhanced Learning Maps (ELM) project provides standards-focused materials that foster the conditions for improving student achievement, including online tools deliberately designed to support and inform personalized learning. These tools encourage interactions that elicit evidence of student thinking, leading to conversations that engage students and teachers in the formative assessment process. Learning map models illustrate the connections among concepts and skills that students need to construct; instructional activities suggest ideas for teaching; and solution guides provide insights for diagnosing misconceptions and informing next steps in learning.

### Benefits

The ELM interface includes organizing structures that will support teachers in:

- Determining learning goals
- Identifying component concepts and skills
- Developing instructional activities
- Collecting evidence of student learning
- Interpreting evidence of student thinking
- Addressing student learning needs

### Support

ELM instructional resources bridge research and practice, providing teachers with research-based, standards-aligned, engaging instructional activities, in addition to highlighting common misconceptions and offering suggested solutions. All materials will be made available in an intuitive web-based platform where teachers can explore learning map information and select materials to use with their students. Teachers have flexibility in using these materials to assess student learning and inform instructional decisions. Teachers will also receive information about how to adapt or generate their own learning maps based assessment tools.

### Participants

A limited number of volunteering teachers will be selected to partner with the Enhanced Learning Maps project. The quality of ELM's instructional resources and the accuracy of the learning map information as a model of actual student learning will continuously improve as a result of these teachers' feedback. Teachers who are open to reflecting on their instruction and trying new approaches are encouraged to apply for participation in the Enhanced Learning Maps project by emailing [EnhancedLM@ku.edu](mailto:EnhancedLM@ku.edu).

Concepts  
& Skills

Understanding