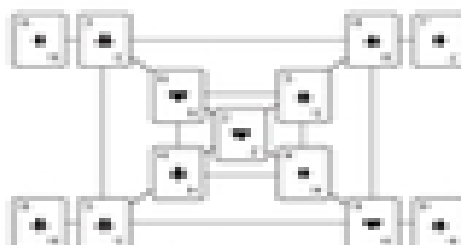


Spider Math Paths

Suppose 12 cards are dealt as shown.



For each problem, retracing a web path is allowed, but the value of the card(s) can counted only once.

- Suppose you start at any position on the web and collect any 5 cards.
 - What is the highest total possible?
 - What is the lowest total possible?
 - Is there an answer that is unique?
- Suppose you must start at any corner card and follow the web to collect 4 cards.
 - What is the highest total possible?
 - What is the lowest total possible?
 - Is there an answer that is unique?
- Suppose we change the operation to multiplication. What are the new answers for problems 1 and 2?
- Suppose the black cards are positive integers and the red cards are negative integers. What are the new answers for problems 1 and 2?

Variations

- Start with a score of 12 and use subtraction.
- Start with a score of 12 and use division. Calculators allowed.
- Do not allow retracing of paths.
- Collect less than 5 cards or more than 5 cards.
- Place 12 new cards on the Spider Math Board and find the answers to problems 1-4.

Find more worksheets at
www.education.com/worksheets.