

MATH
EXPLORATIONS
WITH A
GEOBOARD

IPMG  Publishing

Math Explorations with a Geoboard

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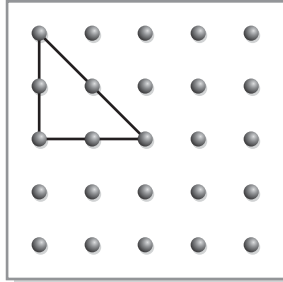
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Key Tag Triangle Puzzles

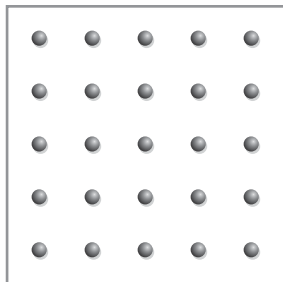
1. Build this triangle on a geoboard.



Label a set of tags with the numbers 1 through 6 (a key tag master is provided on page 150). Put the tags on the triangle so that the sum of each side is 9. Then try 10, 11, and 12. Record your results.

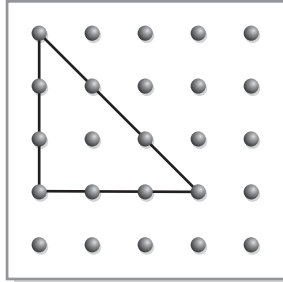
- a. 9
- b. 10
- c. 11
- d. 12

2. Make up your own puzzle using tags with the numbers 1 through 6. Record your result and answer below.



More Key Tag Triangle Puzzles

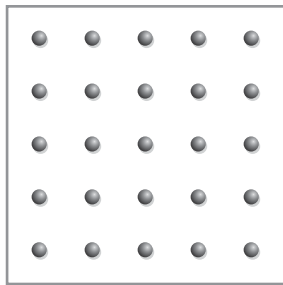
1. Build this triangle on a geoboard.



Label a set of tags with the numbers 1 through 9 (a key tag master is provided on page 150). Put the tags on the triangle so that the sum is 20. Then try 17 and 23. Record your answers.

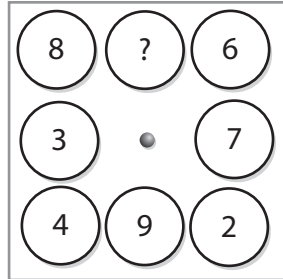
- a. 20
- b. 17
- c. 23

2. Make up your own puzzle using the numbers 1 through 9. Record your result and answer below.



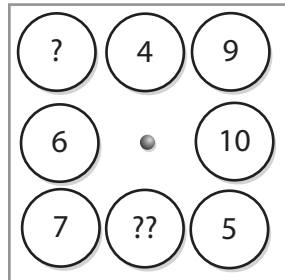
Squares, Tags and Whole Number Sums Puzzles

1. If the sum of each side of the square is 15, what is the missing number?



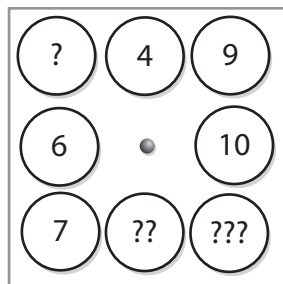
? _____

2. If the sum of each side of the square is 24, what are the missing numbers?



? _____
?? _____

3. If the sum of each side of the square is 33, what are the three missing numbers?



? _____
?? _____
??? _____