



Rock, Number and Shape - Teacher Notes

Little rocks can provide a physical context for Number and Geometry. You might like to gather your students into groups of five or more to complete these mathematics challenges with their decorated little rocks. 5 rocks can create a straight line



5 rocks can also create a circle



4 rocks can create a square and 3 rocks can create a triangle



Other shapes can be made also (All that can be made by straight lines)



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Quick question 1: Which group has the longest line? This can be difficult to estimate but if all groups align one end and place the rocks edge to edge it is easy to see.

Quick question 2: Which group has the biggest rock?

Quick question 3: Which group has the smallest rock

Quick question 4: If you take away one rock from the group of four, how many shapes can you make with the remaining rocks? Two, a triangle and a straight line.

Quick question 5: How many shapes can two rocks make? One. A straight line.

