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| Activity | Time | Description/Prompt | Materials |
| Video: Patterns | 5 minutes | Video:<https://vimeo.com/128532018>  | * Projector
* Video
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| Video Discussion | 2 minutes | Questions for the Discussion is from BCPS1. What is Fibonacci’s sequence? How can you explain this?
2. Math is everywhere. Where have you seen/found math around the world?
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| Journal Prompt | 5 minutes | Journal Prompt is from BCPS* Math is a time of working out and discovering patterns. What does this mean to you as a learner?
 | * Journal
* Pencil
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| [Pascal’s Triangle](https://bhi61nm2cr3mkdgk1dtaov18-wpengine.netdna-ssl.com/wp-content/uploads/2017/07/WIM-Day-4-gr-5-9-vF.pdf) | 20 minutes | 1. Introduce Pascal’s Triangle
2. Find the missing numbers on Pascal’s Triangle handout while working in pairs (page 4)
3. Investigate the 4 questions on the Pascal handout (page 3)
 | * Paper
* Pencil
* Markers
* Pascal’s Triangle Handout, page 4
* Pascal’s Investigation Handout, page 3
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| Group Presentations | 5-7 minutes | Ask students to share any patterns or other interesting observations. |  |
| Closing | 3-5 minutes | Review the key concepts:* Patterns are everywhere and they are very important in math.
* Patterns help us to connect numbers and visuals which is really good for learning.
* Remember the brain crossing from day 2?
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Extensions:

* Rod Trains, page 5. This is really go to do with Cuisenaire Rods if you have them!
* Lattice Task, page 6.
* Pascal’s Triangle with empty rows, page 7.