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| Activity | Time | Description/Prompt | Materials |
| Video: Patterns | 5 minutes | Video:  <https://vimeo.com/128532018> | * Projector * Video |
| Video Discussion | 2 minutes | Questions for the Discussion is from BCPS   1. What is Fibonacci’s sequence? How can you explain this? 2. Math is everywhere. Where have you seen/found math around the world? |  |
| 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 |
| [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 |
| 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? |  |

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.