TEACHERS: Make a copy and share with families for supplemental resources, if you like. [Answer Key](#f0rac2emgtmg) (when possible) is located on the last page.

**Student Directions**:

Looking for an extra challenge? Want some fun math to do? Check out this Choice Board that you can complete at home. This is not part of your 30-minutes of Teacher-Led Learning, so it’s completely optional! Challenge yourself to think like a mathematician and ask yourself the following questions:

* What do I notice? What do I wonder? What questions could I answer using mathematics?
* How could I explain my thinking to someone in my family?
* Do I notice any patterns?
* How does this task connect to something I have learned previously in math class?

Each of the tasks are organized into tables below. As you complete a task, cross out or star the problem on the board below. **Can you get 3 in-a-row? Try for an “X” or a “+” if you find tasks that you like.**

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| **Math 6 Choice Board- April 27** | | |
| [Lock Puzzle](#3slv8ysx2rt6) | [Distance Runners](#kix.i4hy0teel8l7) | [Fraction Talk](#kix.jre817kp3lsq) |
| [Representing Numbers](#z7rz4851k8i) | [Painting a Fence](#6udn96acrpy4) | [Triangle Sum Puzzle](#x4atyc3rjtsl) |
| [Matilda’s Multiplication](#jy4yxecer710) | [Weighing Pets](#eksofkt6gf7q) | [**Which One Doesn’t Belong?**](#kix.vn2yii7n843q) |

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| **Lock Puzzle**(@MrsCookMSMath) | **Distance Runners**  (openupresources.org - 6U5MUA#4)  Four runners are training for long races. Noah ran 5.123 miles, Andre ran 6.34 miles, Jada ran 7.1 miles, and Diego ran 8 miles.   1. What is the total running distance of the four runners? 2. Jada ran how much farther than Noah? |
| **Matilda’s Multiplication**  (@logicandmaths)  Matilda multiplied a 4-digit number by 6, but seven of the digits in the multiplication have blown away and can be seen under it. But beware: a 6 and a 9 can appear identical after they have been blown away.    What was the result of the multiplication? | **Representing Numbers**  (openupresources.org - 6U5PA#1)  Take a moment to look at the diagram below:     1. Jada says this diagram can represent 230. What does a small square represent for Jada? 2. Name a number greater than 230 that this diagram can also represent. 3. Name a number smaller than 230 that this diagram can also represent.   BONUS: Can you describe a rule or pattern that a number must follow in order to be represented by this diagram? |

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| **Painting a Fence**  (openupresources.org -6U4MUA# 7)  Tyler used gallons of paint to paint a fence. How  many gallons will it take to paint the whole fence?  Write a multiplication equation or a division  equation to represent this question, then find the answer using a tape diagram. | **Triangle Sum Puzzle**  (@Logicandmaths) |
| **Weighing Pets**  (<https://brilliant.org/>)  What weight will the fourth scale display? |
| **Fraction Talks**  (http://fractiontalks.com/how-to/)  What fraction of the manipulatives are yellow? How do you know? | **Which One Doesn’t Belong?**  (<https://wodb.ca/>)  Which one doesn’t belong? Can you think of a reason why each one doesn’t belong in their own way? |

**KEY**

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| **Math 6 -April 27 - KEY** | | |
| [Lock Puzzle](#3slv8ysx2rt6)  I think one possible answer is “042” -- might be more and I might be wrong :) | [Distance Runners](#kix.i4hy0teel8l7)   1. 26.563 miles 2. 1.977 miles | [Fraction Talk](#kix.jre817kp3lsq)  ½ or 4/8 |
| [Representing Numbers](#z7rz4851k8i)   1. 10 2. Answers vary. Sample responses: 2,300; 23,000; 230,000; 460 3. Answers vary. Sample responses: 0.23; 0.023; 0.0023; 1.15 | [Painting a Fence](#6udn96acrpy4) | [Triangle Sum Puzzle](#x4atyc3rjtsl)  [Video Solution](https://www.youtube.com/watch?v=YoPkRXCtrnA&feature=youtu.be): |
| [Matilda’s Multiplication](#jy4yxecer710) | [Weighing Pets](#eksofkt6gf7q)  The fourth scale will display 35 (rabbit =5, cat =9, dog=21) | [**Which One Doesn’t Belong?**](#kix.vn2yii7n843q)  Answers vary |