# Playing With Numbers (Key)

**1)** Would you rather have one piece of a candy bar that has been cut into 3 pieces, or one piece of the same size candy bar that has been cut into 10 pieces? Explain your answer.

If you like candy, 1 of 3, because the pieces are bigger.
If you don't like candy or are on a diet, 1 out of 10.

**2)** You cut a pizza in half and eat one of the other halves. You then cut what is left in half and eat one of the halves. Repeating the process, how many cuts will have been made when the pizza is completely eaten? Explain your answer.

Theoretically, you will never completely eat the pizza, because when you cut the remaining part into two halves and eat one of the halves, there will always be the other half left.

**3)** Which number does not belong with the others? Explain your answer.

<div align="center">

**2     13     21     29**

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There are several possible answers:  the 2, because it is even and all the rest are odd; the 21, because it is a composite and all the others are primes.

**4)** _____ + _____ + _____ − _____ + _____ = 1

**5)** _____ + _____ + _____ + _____ + _____ = ⁻2

**6)** _____ + _____ + _____ + _____ + _____ = $3\frac{1}{2}$

There are a variety of answers for questions 4-6. Parents, please discuss these options with your child based on their knowledge and skill level.

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