

# 2016-2017 Puzzle Contests

## Solutions for Contest #4



### Grades K-5 Puzzle Solutions:

**1. At least one of the kids Alex, Boris and Carol can play chess. Who can play chess?**

- Alex or Boris can't play chess.
- If Alex can play chess then Boris can too.
- Either both Alex and Carol can play chess or both can't. (25 pts.)



Answer: Boris only

**2. I feed my lizard every third day, my snail every fourth day, and my snake every fifth day. On Monday I fed all of them. On what day of the week will I next need to feed all of them again? (35 pts.)**

Answer: 60 days later, on Friday.



**3. A supermarket sells chocolate alphabet**

letters. The different letters vary in price, but two of the same letter are always the same price. The word ONE costs \$6, the word TWO costs \$9, the word ELEVEN is priced at \$16. What is a cost of the word TWELVE? (40 pts)

Answer \$19, because  $E+L+E+V+E+N+T+W+O-(O+N+E)=T+W+E+L+V+E$ , so the cost is  $16+9-6=19$ .

