

Solution for Problem 31 Three Monkeys

There are 10 possibilities:

1, 3, 21

1, 5, 19

1, 7, 17

1, 9, 15

1, 11, 13

3, 5, 17

3, 7, 15

3, 9, 13

5, 7, 13

5, 9, 11

What if the monkeys ate 24 nuts, with each of them eating a different even number of nuts?

The possible answers are:

2, 4, 18

2, 6, 16,

2, 8, 14

2, 10, 12

4, 6, 14

4, 8, 12

6, 8, 10