

1. The output is:

```
4
There are 4 amazing academics
7
There are 7 amazing academics
10
There are 10 amazing academics
13
```

2. The output is:

```
4
There are 4 shoeless monkeys
8
9
10
There are 10 shoeless monkeys
14
```

3. The output is:

```
There are 4 mournful mathematicians
5
8
There are 8 mournful mathematicians
9
12
There are 12 mournful mathematicians
13
16
```