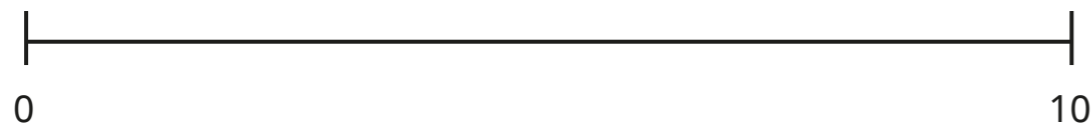# Estimate on a number line to 1,000

1 Label the number halfway along each number line.
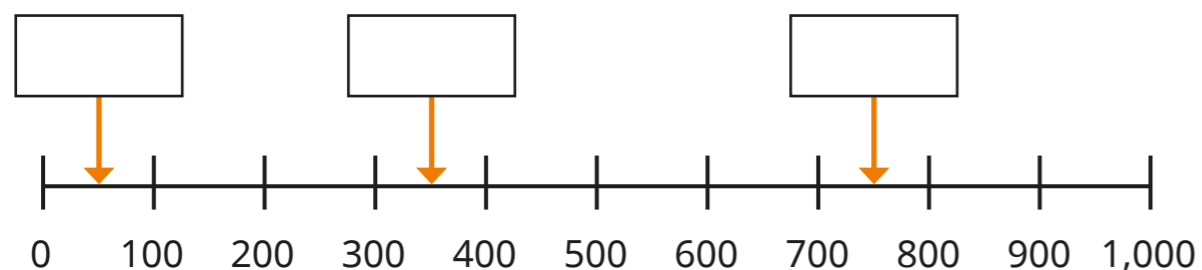
a)

```
0                                      10
```

b)

```
0                                      100
```
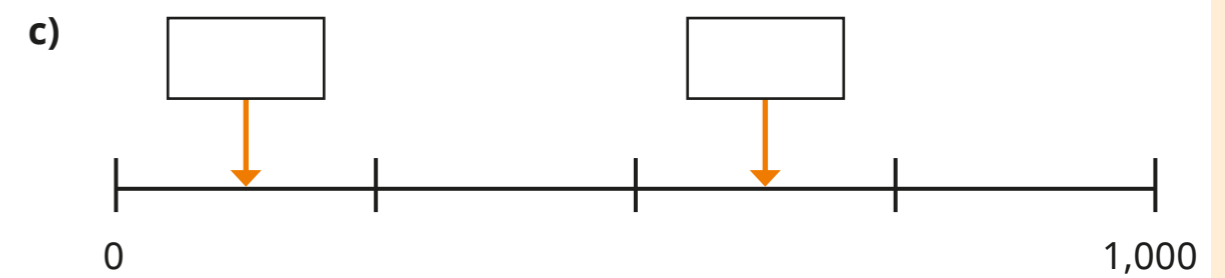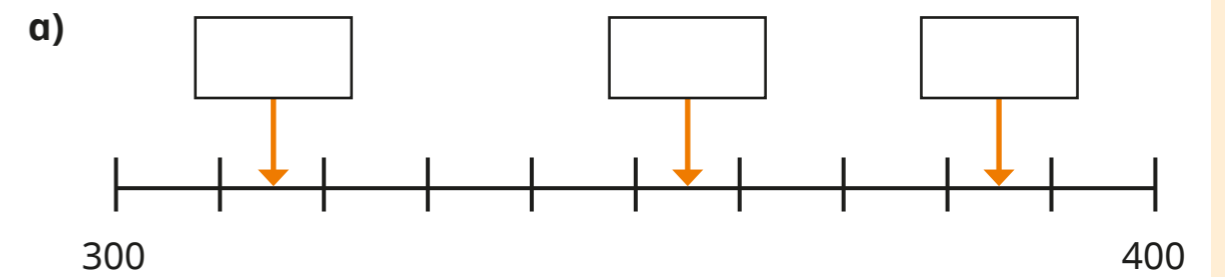
c)

```
0                                      1,000
```

What do you notice?

2 Estimate the numbers the arrows are pointing to.

```
    [  ]      [  ]           [  ]
0   100  200  300  400  500  600  700  800  900  1,000
```

3 Estimate the numbers the arrows are pointing to.

a)

```
      [  ]            [  ]        [  ]
300                                      400
```

b)

```
         [  ]              [  ]
600                                      800
```

c)

```
    [  ]                [  ]
0                                      1,000
```
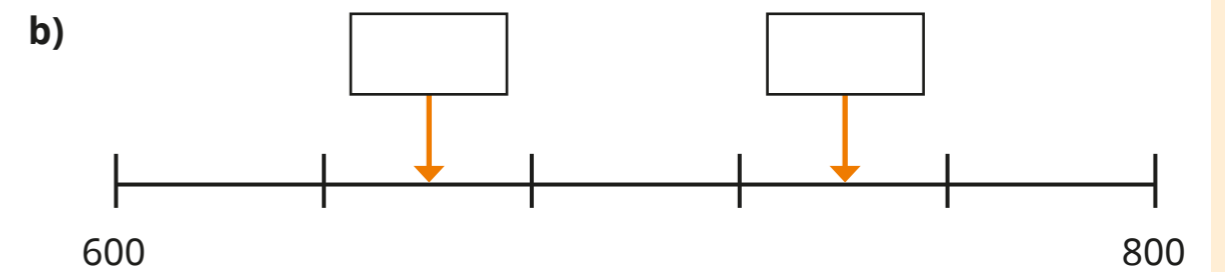
4 Amir has marked halfway on the number line.

```
0                                      1,000
```
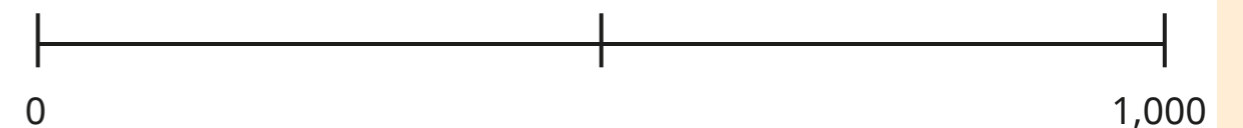
Choose a word to complete the sentences.

(left)   (right)

a) 300 is to the _____ of halfway.

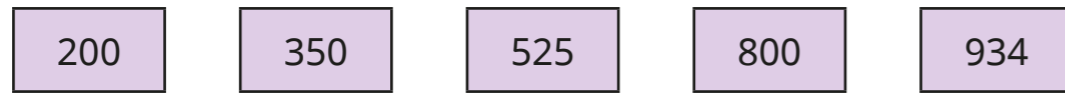**b)** 800 is to the _____ of halfway.

c) 99 is to the _____ of halfway.

d) 501 is to the _____ of halfway.

Explain your reasons.

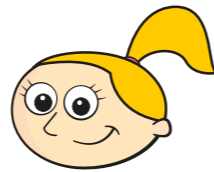**5** Ron and Eva are estimating where the numbers belong on a number line.

| 200 | 350 | 525 | 800 | 934 |

a) Ron has split the number line into two equal parts.

Use Ron's number line to estimate where the numbers belong.

```
|----------------|----------------|
0                              1,000
```

b) Eva has split the number line into four equal parts.

Use Eva's number line to estimate where the numbers belong.

```
|--------|--------|--------|--------|
0                              1,000
```
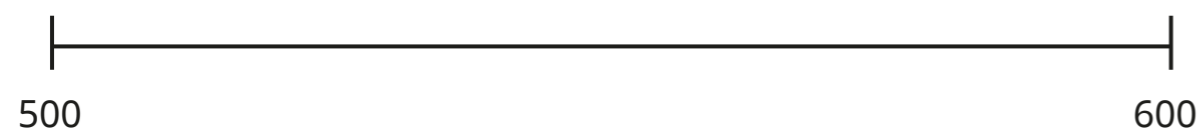
Whose method was easier?

Whose method do you think is more accurate?

6 Estimate where the numbers belong on the number line.

| 580 | 545 | 506 | 599 |

```
|--------------------------------|
500                            600
```

7 Tiny has estimated where 109 belongs on the number line.

```
                              109
                               ↓
|--------------------------------|
100                            200
```

Talk to a partner about the mistake Tiny has made.

Show a better estimate on the number line.

8 Whitney has estimated where a number belongs on a number line.

```
        ↓
|--------------------------------|
0                              1,000
```

Draw an arrow to estimate where Whitney's number belongs on each number line.

```
|--------------------------------|
0                              500
```

```
|--------------------------------|
200                            400
```