Full Numerical Walkthrough: "The cat sat"

Given (with position):

```
"the": [0.1, 0.4]
"cat": [0.6, 0.2]
"sat": [0.3, 0.65]
```

Step 1: Dot Products

```
cat · the = 0.06 + 0.08 = 0.14
cat · cat = 0.36 + 0.04 = 0.40
cat · sat = 0.18 + 0.13 = 0.31
```

Step 2: Softmax

```
e^0.14 = 1.15
e^0.40 = 1.49
e^0.31 = 1.36
Sum = 4.00
```

Percentages: 29%, 37%, 34%

Step 3: Weighted Combination

```
0.29×[0.1,0.4]
+ 0.37×[0.6,0.2]
+ 0.34×[0.3,0.65]
```

= [0.35, 0.41]

← New "cat" representation