5 $a, b \in$ [redacted] W

$a^2 + b^2$ → divisible by 10.

Then unit digits of Square to be.
of
a and b.

0	0
1	9
2	8
3	7
[redacted]	
4	6
5	5

So, From 0 → 9.

numbers	0	1	2	3	4	5	6	7	8	9
Squares	0	1	4	9	6	5	6	9	4	1

→ possibilities are

0	0
1	9
4	6
5	5
6	4
9	1

From (0-9).

0	0	→	1 x 1
1	9	→	2 x 2
4	6	→	2 x 2
5	5	→	1 x 1
6	4	→	2 x 2
9	1	→	2 x 2

} Sum is 18.

Total possibilities are 10×10.

So, $\text{probability} = \frac{18}{100} = 18\%$.