

## squares at CfE level 4

$$11 \times 11 = 11^2 = 121$$

$$12 \times 12 = 12^2 = 144$$

$$13 \times 13 = 13^2 = 169$$

$$14 \times 14 = 14^2 = 196$$

$$15 \times 15 = 15^2 = 225$$

$$16 \times 16 = 16^2 = 256$$

$$17 \times 17 = 17^2 = 289$$

$$18 \times 18 = 18^2 = 324$$

$$19 \times 19 = 19^2 = 361$$

$$20 \times 20 = 20^2 = 400$$



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Think of these squares and square roots as advanced forms of 'tables' which are best memorised.

So, any time you see the number 361, don't just think 'That's more than 300'

Much better to think 'That's 19 squared!'

The maths needed to do the question may well make use of that relation and then be easier!

You can also do the **Wee Red Box** flash cards (pass marks for a 'well done' award are 20/20, so you either know it or you don't!)

## square roots at CfE level 4

$$\sqrt{121} = 11$$

$$\sqrt{144} = 12$$

$$\sqrt{169} = 13$$

$$\sqrt{196} = 14$$

$$\sqrt{225} = 15$$

$$\sqrt{256} = 16$$

$$\sqrt{289} = 17$$

$$\sqrt{324} = 18$$

$$\sqrt{361} = 19$$

$$\sqrt{400} = 20$$