MATHS • YEAR 8

Estimating Square Roots

Name _____ **Date** _____

WHAT TO DO

For each square root, find the two consecutive integers it lies between. Write the smaller integer first.

Find each interval

16 QUESTIONS

01 $\sqrt{12}$ lies between _____ and _____

02 $\sqrt{19}$ lies between _____ and _____

03 $\sqrt{28}$ lies between _____ and _____

04 $\sqrt{39}$ lies between _____ and _____

05 $\sqrt{53}$ lies between _____ and _____

06 $\sqrt{66}$ lies between _____ and _____

07 $\sqrt{78}$ lies between _____ and _____

08 $\sqrt{95}$ lies between _____ and _____

09 $\sqrt{109}$ lies between _____ and _____

10 $\sqrt{127}$ lies between _____ and _____

11 $\sqrt{146}$ lies between _____ and _____

12 $\sqrt{163}$ lies between _____ and _____

13 $\sqrt{181}$ lies between _____ and _____

14 $\sqrt{205}$ lies between _____ and _____

15 $\sqrt{237}$ lies between _____ and _____

16 $\sqrt{280}$ lies between _____ and _____

Show your thinking

Choose one question. Which two perfect squares helped you decide its interval?