YEAR 6 · MATHS

Missing Number Square Root Problems

Name _____ **Date** _____

Complete each equation by writing the missing number on the line. Remember: a square number is made by multiplying a whole number by itself.

1 Find the number under the square root

What number has the given square root?

1. $\sqrt{____} = 6$
2. $\sqrt{____} = 10$
3. $\sqrt{____} = 3$
4. $\sqrt{____} = 8$
5. $\sqrt{____} = 12$
6. $\sqrt{____} = 5$

2 Find the number being squared

Complete each square-number equation.

7. $____^2 = 49$
8. $____^2 = 100$
9. $____^2 = 16$
10. $____^2 = 121$
11. $____^2 = 36$
12. $____^2 = 144$

3 Mix it up

Fill in the missing number to make each equation true.

13. $\sqrt{81} = ____$
14. $7^2 = ____$
15. $____^2 = 169$
16. $\sqrt{____} = 11$
17. $13^2 = ____$
18. $\sqrt{196} = ____$
19. $____^2 = 64$
20. $\sqrt{225} = ____$

Show how you checked

Choose one of your answers. Write a multiplication fact that checks it.

_____

_____

☐ I have checked that my equations are true.