



The number that changed everything

PRACTICE WORKSHEET

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Name: _____ Date: _____

Show your working in the blank space or on separate paper. Sketch labelled rods/beads when asked to represent a number.

1 Build 205. Then remove its zero in your mind.

2 Build 909. Then remove its zero in your mind.

3 Build 807. Then remove its zero in your mind.

4 Build 701. Then remove its zero in your mind.

5 Build 204. Then remove its zero in your mind.

6 Build 102. Then remove its zero in your mind.

7 Build 905. Then remove its zero in your mind.

8 Build 803. Then remove its zero in your mind.

9 Build 706. Then remove its zero in your mind.

10 Build 609. Then remove its zero in your mind.

11 Build 507. Then remove its zero in your mind.

12 Build 401. Then remove its zero in your mind.

Practise interactively and explore the method:

<https://goofergames.com/math/world/zero>



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ANSWER KEY

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Use after completing the practice page. Values are generated by the page's shared engine.

Equivalent exact representations are valid where the prompt allows them. Non-integer results are rounded to two decimals.

1 Answer: Built: 205; after removing zero: 25

Remove the zero digit and 205 becomes 25, a different number.

2 Answer: Built: 909; after removing zero: 99

Remove the zero digit and 909 becomes 99, a different number.

3 Answer: Built: 807; after removing zero: 87

Remove the zero digit and 807 becomes 87, a different number.

4 Answer: Built: 701; after removing zero: 71

Remove the zero digit and 701 becomes 71, a different number.

5 Answer: Built: 204; after removing zero: 24

Remove the zero digit and 204 becomes 24, a different number.

6 Answer: Built: 102; after removing zero: 12

Remove the zero digit and 102 becomes 12, a different number.

7 Answer: Built: 905; after removing zero: 95

Remove the zero digit and 905 becomes 95, a different number.

8 Answer: Built: 803; after removing zero: 83

Remove the zero digit and 803 becomes 83, a different number.

9 Answer: Built: 706; after removing zero: 76

Remove the zero digit and 706 becomes 76, a different number.

10 Answer: Built: 609; after removing zero: 69

Remove the zero digit and 609 becomes 69, a different number.

11 Answer: Built: 507; after removing zero: 57

Remove the zero digit and 507 becomes 57, a different number.

12 Answer: Built: 401; after removing zero: 41

Remove the zero digit and 401 becomes 41, a different number.

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