

55

By

Mrs. Johnson

# What a Number!

**55** is an **odd** number because it is not a **multiple** of 2

**55** is a **deficient** number because its **proper factors** add up to less than **55**:

$$1+5+11=17$$

$$17 < 55$$



Original image: "White 5 on Orange Dumpster"  
[www.flickr.com/photos/17796222@N00/64298062](http://www.flickr.com/photos/17796222@N00/64298062)  
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Original image: "Here lies number 5"  
[www.flickr.com/photos/17796222@N00/96918791](http://www.flickr.com/photos/17796222@N00/96918791)  
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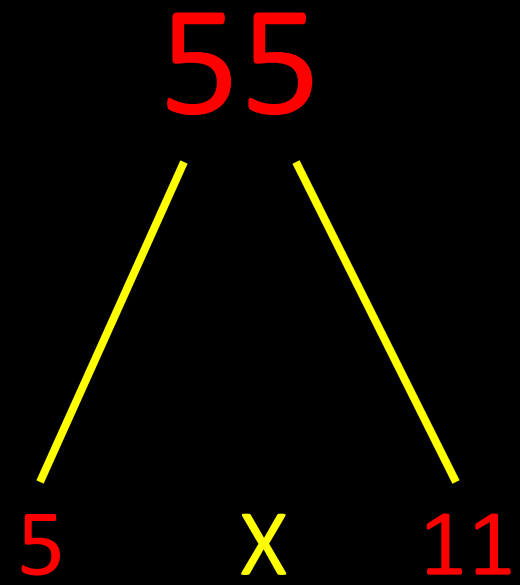
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# Factors of 55

55 is a **composite** number

Interesting fact:

55 is considered a **semi-prime** because it is the **product** of two **prime** numbers!



# Slow Down!



**55** miles per hour was the highest speed limit allowed in the United States between 1974 and 1986. It is still a common speed on many highways.

# Sum Fun

**55** is the sum of  
the first 5  
**Square**  
**Numbers**

$$1 + 4 + 9 + 16 + 25 = \mathbf{55}$$

**55** is the sum  
of the numbers  
1 through 10

$$1+2+3+4+5+6+7+8+9+10$$

equals

$$\mathbf{55}$$

# Star Power

Messier 55, also known as M55, is a globe shaped cluster of stars discovered in 1751. It is 17,300 light years away from Earth!

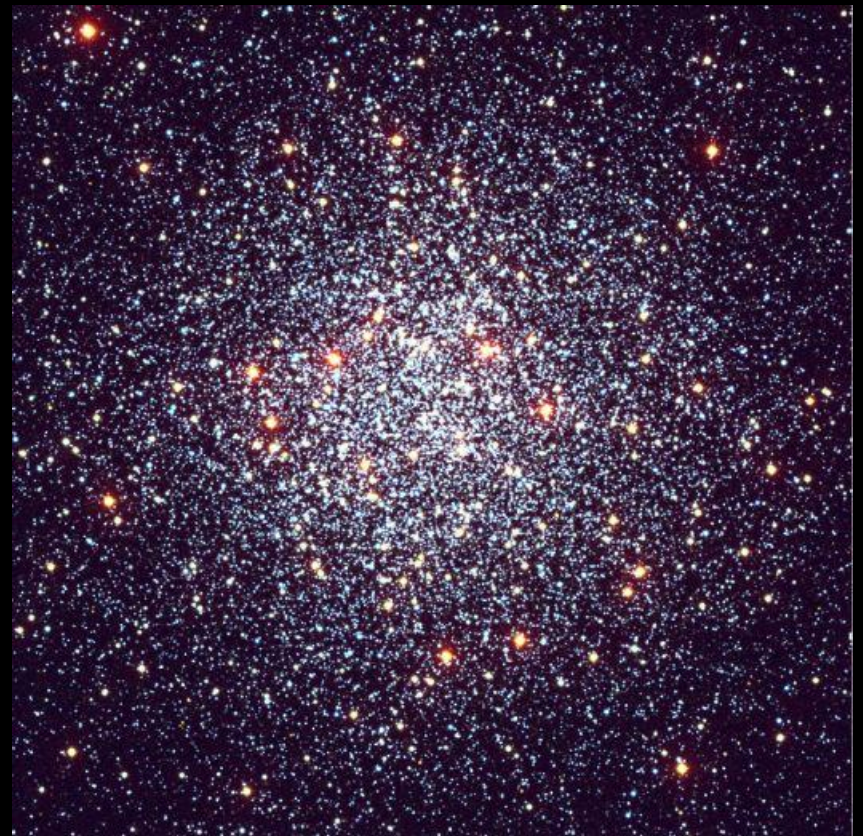


Image by NASA

# 55 is a TRIANGULAR Number

It can be shown as a triangle of points where the first row contains a single point and each row after that contains one more point than the previous one

1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14 15  
16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30 31 32 33 34 35 36  
37 38 39 40 41 42 43 44 45  
46 47 48 49 50 51 52 53 54 55

Did you know...

55

is restaurant  
slang for  
Root Beer?



Original image: "Frostop Root Beer Mug"  
[www.flickr.com/photos/64419960@N00/1461779456](https://www.flickr.com/photos/64419960@N00/1461779456)  
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# 55 is a Fibonacci Number

The Fibonacci numbers are in the sequence 0,1,1,2,3,5,8,13,21,34,55,89...

The first two Fibonacci numbers are 0 and 1, and each remaining number is the **sum** of the previous two.



Original image: "Aloe polyphylla Schönland ex Pillans"  
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Fibonacci numbers are often found in nature

## Works Cited

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Sarcone, Gianni A., and Marie-Jo Waeber. "What's Special about This Number?" *Zoo of Numbers*. Archimedes Lab, 2010. Web. 28 Sept. 2010. <[http://www.archimedes-lab.org/numbers/Num24\\_69.html](http://www.archimedes-lab.org/numbers/Num24_69.html)>.



Mrs. Johnson was born in 1955