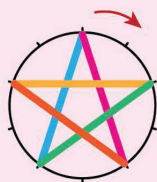


Compare and Contrast Multiples of Four and Six

Promotes:

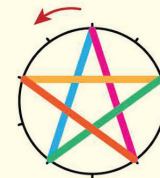
- Fluency with math facts
- Number sense
- Intellectual curiosity



Includes:

- a double sided worksheet
- ready to copy &
- use in class
- Answer key
- link to online Teacher Tips

Invites students to reflect
on and write about how
multiplication works



Hello Teachers,

Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Please, check out the self-paced teacher education courses on UnCommon-Core.com.

While you are there, sign up for your free copy of **Colorful Collections: A Mindful Exploration of Proper Fractions**.

Also, visit my Teachers Pay Teachers store UnCommon-Core dot com.

Thank you again. All the best,

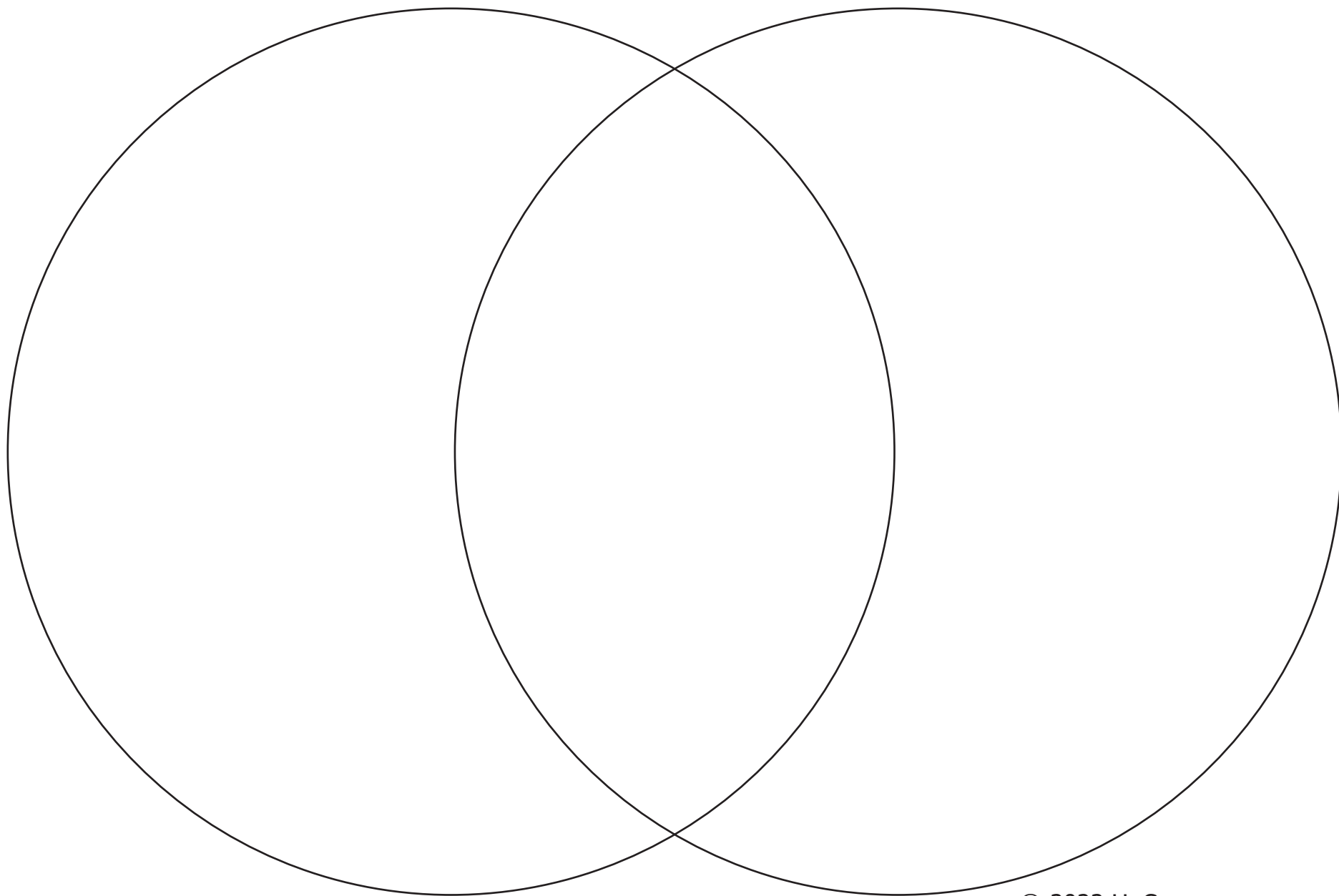


Isabelle

Isabelle Hoag M.Ed.
Director of Education
UnCommon-Core.com

Compare and Contrast Multiples of Four and Six

name:



How are multiples of four and six alike and different?

Compare and Contrast Multiples of Four and Six

Answers will vary



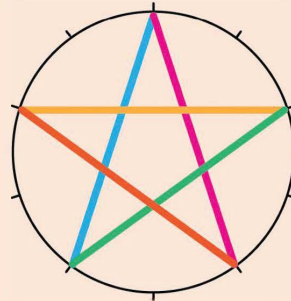
Pattern in the Unit's Place:
0, 4, 8, 2, 6

Pattern in the Ten's Place:
A A A B B

Multiples of Four not Six

4, 8, 16, 20, 28, 32, 40,
44, 52, 56, 64, 68, 76,
80, 88, 92, 100, 104,
112, 116,

Both



Multiples of Six and Four
0, 12, 24, 36, 48, 60,
72, 84, 96, 108,
120

Six



Pattern in the Unit's Place:
0, 6, 2, 8, 4

Pattern in the Unit's Place:
A A B B C

Multiples of Six not Four

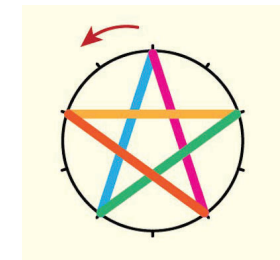
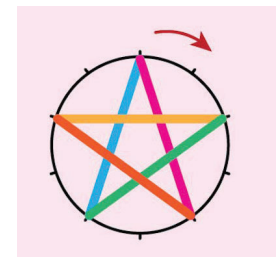
6, 18, 30, 42,
54, 66, 78,
90, 102, 114

How are multiples of four and six alike and different?

Click for [Teacher Tips](#) and links to other activities within this series.

Student answers will vary. Here are some possibilities:

- Multiples of four & six have the same numerals in the unit's place
 - But they are in a different order:
 - The order of the numerals in the unit's place of multiples of four is: 0, 4, 8, 2, 6
 - The order of the numerals in the unit's place of multiples of six is: 0, 6, 2, 8, 4.
- When shown on a circle, the patterns in the unit's place in multiples of four and six:
 - make the same star design
 - the design builds clockwise in multiples of four
 - the design builds counterclockwise in multiples of six.
- Four and six share some multiples:
 - Every other multiple of six is a multiple of four.
 - Every third multiple of four is a multiple of six.
- All multiples of twelve are also multiples of four and six.
- All multiples of four and six are even numbers.
- 120 is the 30th multiple of four ~ $30 \times 4 = 120$.
- 120 is the 20th multiple of six ~ $20 \times 6 = 120$.
- Four is a smaller number, so it has more multiples between 0 & 120.



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