

Outcome 1 - Identifying Prime Numbers

1. Cancel evens
2. Cancel '5's'
3. ÷ 3 test
4. Other primes

Bronze examples

Examples... **A prime number is a number with exactly 2 factors!**

Select the prime number(s) from the following list... 1, 5, 9, 15, 16, 19, 20.

Prime number(s) = 5, 19

Select the prime number(s) from the following list... 26, 27, 33, 36, 37, 40.

Prime number(s) = 37

Silver examples

Examples... **A prime number is a number with exactly 2 factors!**

Select the prime number(s) from the following list... ~~60~~, ~~63~~, ~~65~~, ~~69~~, 73, ~~75~~.

Prime number(s) = 73

Select the prime number(s) from the following list... ~~73~~, ~~80~~, ~~82~~, ~~84~~, ~~85~~, 89.

Prime number(s) = 89

Gold examples

Examples... **A prime number is a number with exactly 2 factors!**

Select the prime number(s) from the following list... ~~100~~, 101, ~~102~~, 103, ~~104~~.

Prime number(s) = 101, 103

Select the prime number(s) from the following list... ~~125~~, ~~136~~, ~~141~~, ~~152~~, 163.

Prime number(s) = 163

Bronze Questions

Select the prime number(s) from the following lists...

- ~~1~~ 7, 8, 9, 10.
- ~~2~~ 8, 11, 12, 14.
- ~~3~~ 4, 10, 14, 19, 21.
- ~~4~~ 9, 10, 15, 18, 24, 29.
- ~~5~~ 33, 35, 38, 39, 41.
- ~~6~~ 40, 43, 45, 46, 49.
- ~~7~~ 26, 27, 28, 29, 30, 31.
- ~~8~~ 42, 44, 45, 47, 49, 50.
- ~~9~~ 3, 4, 6, 8, 9, 10.
- ~~10~~ 10, 17, 20, 27, 30, 37, 40.

Silver Questions

Select the prime number(s) from the following lists...

- ~~1~~ 67, 75, 82, 93.
- ~~2~~ 54, 62, 79, 88.
- ~~3~~ 45, 54, 65, 77, 89.
- ~~4~~ 74, 83, 95, 112.
- ~~5~~ 49, 59, 69, 99, 129.
- ~~6~~ 32, 46, 57, 66, 71, 85.
- ~~7~~ 27, 38, 49, 55, 61.
- ~~8~~ 42, 56, 69, 73, 82, 95.
- ~~9~~ 12, 27, 44, 68, 97.
- ~~10~~ 53, 58, 63, 69.

Gold Questions

Select the prime number(s) from the following lists...

- ~~1~~ 171, 172, 173, 174.
- ~~2~~ 129, 131, 135, 138.
- ~~3~~ 185, 189, 192, 199, 200.
- ~~4~~ 145, 149, 153, 159.
- ~~5~~ 150, 151, 152, 153, 154.
- ~~6~~ 102, 104, 105, 107, 111, 114.
- ~~7~~ 157, 162, 165, 168, 171.
- ~~8~~ 172, 174, 175, 179, 183, 189.
- ~~9~~ 105, 109, 111, 113, 117.
- ~~10~~ 111, 141, 171, 181, 191.

Bronze Answers

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|----|--------|-----|--------|
| 1. | 7 | 2. | 11 |
| 3. | 19 | 4. | 29 |
| 5. | 41 | 6. | 43 |
| 7. | 29, 31 | 8. | 47 |
| 9. | 3 | 10. | 17, 37 |

Silver Answers

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|----|----|-----|----|
| 1. | 67 | 2. | 79 |
| 3. | 89 | 4. | 83 |
| 5. | 59 | 6. | 71 |
| 7. | 61 | 8. | 73 |
| 9. | 97 | 10. | 53 |

Gold Answers

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|----|----------|-----|----------|
| 1. | 173 | 2. | 131 |
| 3. | 199 | 4. | 149 |
| 5. | 151 | 6. | 107 |
| 7. | 157 | 8. | 179 |
| 9. | 109, 113 | 10. | 181, 191 |