

Factors, multiples and primes sort cards

In each puzzle you will be given six numbered cards. You must arrange the cards to produce the given factors, multiples or primes.

There may be more than one answer!

- go Three factors
- go Four factors
- go Three multiples
- go Three multiples (2)
- go Factors & multiples
- go Multiples of 4
- go Four multiples
- go Four primes
- go Mixture
- go Mixture (2)

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Contents

← contents **Three factors** answer →

1 1 2 3 5 6

factor of 24 factor of 36 factor of 45

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Three factors

← contents **Answer: Three factors** next →

1 2 3 6 1 5

factor of 24 factor of 36 factor of 45

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Answer: Three factors

← contents **Four factors** answer →

1 2 3 5 6 8

factor of 8 factor of 9 factor of 30 factor of 52

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Four factors

← contents **Answer: Four factors** next →

8 3 1 5 2 6

factor of 8 factor of 9 factor of 30 factor of 52

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Answer: Four factors

← contents **Three multiples** answer →

1 2 3 5 8 9

multiple of 3 multiple of 5 multiple of 8

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Three multiples

← contents Answer: Three multiples next →

8 1	9 5	3 2
multiple of 3	multiple of 5	multiple of 8

1 8	9 5	3 2
multiple of 3	multiple of 5	multiple of 8

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Answer: Three multiples

← contents Three multiples (2) answer →

2 3 5 7 8 9		
multiple of 5	multiple of 6	multiple of 7

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Three multiples (2)

← contents Answer: Three multiples (2) next →

3 5	7 2	9 8
multiple of 5	multiple of 6	multiple of 7

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Answer: Three multiples (2)

← contents Factors and multiples answer →

0 2 3 5 6 7		
multiple of 6	multiple of 14	factor of 81

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Factors and multiples

← contents Answer: Factors and multiples next →

3 0	5 6	2 7
multiple of 6	multiple of 14	factor of 81

7 2	5 6	0 3
multiple of 6	multiple of 14	factor of 81

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Answer: Factors and multiples

← contents Multiples of 4 answer →

1 2 2 4 5 6		
multiple of 4	multiple of 4	multiple of 4

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Multiples of 4

← contents Answer: Multiples of 4 next →

1 2	2 4	5 6
multiple of 4	multiple of 4	multiple of 4

1 2	5 2	6 4
multiple of 4	multiple of 4	multiple of 4

1 6	2 4	5 2
multiple of 4	multiple of 4	multiple of 4

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Answer: Multiples of 4

← contents Four multiples answer →

0	3	4	6	7	9
---	---	---	---	---	---

multiple of 3	multiple of 4	multiple of 5	multiple of 7		

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Four multiples

← contents Answer: Four multiples next →

9	4	7	0	6	3
multiple of 3	multiple of 4	multiple of 5	multiple of 7		

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Answer: Four multiples

← contents Four primes answer →

Arrange the cards to give four prime numbers.

1	2	3	4	7	9
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Four primes

← contents Answer: Four primes next →

2	3	1	9	4	7
2	3	4	1	7	9
2	3	4	1	9	7
2	7	1	9	4	3
3	7	2	9	4	1

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Answer: Four primes

← contents Mixture answer →

0	1	2	3	4	6
---	---	---	---	---	---

multiple of 5	factor of 42	prime			

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Mixture

← contents Answer: Mixture → next

multiple of 5	factor of 42	prime
60	14	23
60	21	43
60	42	13
60	42	31
30	42	61

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Answer: Mixture

← contents Mixture (2) → answer

1	2	3	4	5	7

multiple of 12 factor of 60 prime

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Mixture (2)

← contents Answer: Mixture (2)

24	15	37
multiple of 12	factor of 60	prime
24	15	73
multiple of 12	factor of 60	prime
72	15	43
multiple of 12	factor of 60	prime

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Answer: Mixture (2)