Multiples, Factors, & Factor Pairs

*This sheet is used in the video Multiples, Factors, & Factor Pairs

MrB4math.com

List first 5 multiples:

1) 7

7, 14, 21, 28, 35,...

2) 3

3, 6, 9, 12, 15,...

3) 12

12, 24, 36, 48, 60,...

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List all factors as factor pairs:

4) 48

1 · 48
2 · 24
3 · 16
4 · 12
6 · 8

5) 65

1 · 65
5 · 13

6) 112

1 · 112
2 · 56
4 · 28
7 · 16
8 · 14

$7\overline{)112}$ → 16, −7, 42

7) What factor pair(s) of 48 yield a sum of 19?

$3 + 16 = 19$

8) What factor pair(s) of 48 yield a difference of 8?

$12 - 4 = 8$

9) What factor pair(s) of 112 yield a sum of 32?

$4 + 28 = 32$

List first 5 multiples:

10) 11

11, 22, 33, 44, 55,...

11) 2

2, 4, 6, 8, 10,...

12) 8

8, 16, 24, 32, 40,...

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List all factors as factor pairs:

13) 68

1 · 68
2 · 34
4 · 17

14) 80

1 · 80
2 · 40
4 · 20
5 · 16
8 · 10

15) 196

1 · 196
2 · 98
4 · 49
7 · 28
14 · 14

$7\overline{)196}$ → 28, −14, 56

$13\overline{)196}$ → 1, −13, 66

16) What factor pair(s) of 80 yield a difference of 16?

$20 - 4 = 16$

17) What factor pair(s) of 196 yield a sum of 35?

$7 + 28 = 35$

18) What factor pair(s) of 196 yield a difference of 21?

$28 - 7 = 21$