

List first 5 multiples:

1) 4
4, 8, 12, 16, 20,...

2) 7
7, 14, 21, 28, 35,...

3) 2
2, 4, 6, 8, 10,...

List all factors as factor pairs:

4) 18
1 · 18
2 · 9
3 · 6

5) 30
1 · 30
2 · 15
3 · 10
5 · 6

6) 84
1 · 84
2 · 42
3 · 28
4 · 21
6 · 14
7 · 12

$$\begin{array}{r} 12 \\ 7 \overline{)84} \\ \underline{-7} \\ 14 \\ \underline{-14} \\ 0 \end{array}$$

7) What factor pair(s) of 18 yield a sum of 11?

$$2 + 9 = 11$$

8) What factor pair(s) of 18 yield a difference of 7?

$$9 - 2 = 7$$

9) What factor pair(s) of 84 yield a sum of 25?

$$4 + 21 = 25$$

List first 5 multiples:

10) 3
3, 6, 9, 12, 15,...

11) 9
9, 18, 27, 36, 45,...

12) 5
5, 10, 15, 20, 25,...

List all factors as factor pairs:

13) 27
1 · 27
3 · 9

14) 42
1 · 42
2 · 21
3 · 14
6 · 7

15) 90
1 · 90
2 · 45
3 · 30
5 · 18
6 · 15
9 · 10

$$\begin{array}{r} 18 \\ 5 \overline{)90} \\ \underline{-5} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

16) What factor pair(s) of 42 yield a difference of 11?

$$14 - 3 = 11$$

17) What factor pair(s) of 90 yield a sum of 23?

$$5 + 18 = 23$$

18) What factor pair(s) of 90 yield a difference of 27?

$$30 - 3 = 27$$

List first 5 multiples:

19) 6
6, 12, 18, 24, 30,...

20) 10
10, 20, 30, 40, 50,...

21) 8
8, 16, 24, 32, 40,...

List all factors as factor pairs:

22) 32
1 · 32
2 · 16
4 · 8

23) 56
1 · 56
2 · 28
4 · 14
7 · 8

24) 60
1 · 60
2 · 30
3 · 20
4 · 15
5 · 12
6 · 10

25) What factor pair(s) of 32 yield a sum of 33?

$$1 + 32 = 33$$

26) What factor pair(s) of 60 yield a sum of 17?

$$5 + 12 = 17$$

27) What factor pair(s) of 60 yield a difference of 17?

$$20 - 3 = 17$$

Multiples, Factors, & Factor Pairs

List first 5 multiples:

28) 12
12, 24, 36, 48, 60,...

29) 6
6, 12, 18, 24, 30,...

30) 2
2, 4, 6, 8, 10,...

List all factors as factor pairs:

31) 28
1 · 28
2 · 14
4 · 7

32) 40
1 · 40
2 · 20
4 · 10
5 · 8

33) 72
1 · 72
2 · 36
3 · 24
4 · 18
6 · 12
8 · 9

$$\begin{array}{r} 24 \\ 3 \overline{)72} \\ \underline{-6} \\ 12 \end{array}$$

34) What factor pair(s) of 28 yield a sum of 11?

$$4 + 7 = 11$$

35) What factor pair(s) of 28 yield a difference of 27?

$$28 - 1 = 27$$

36) What factor pair(s) of 40 yield a sum of 14?

$$4 + 10 = 14$$

List first 5 multiples:

37) 3
3, 6, 9, 12, 15,...

38) 7
7, 14, 21, 28, 35,...

39) 5
5, 10, 15, 20, 25,...

List all factors as factor pairs:

40) 20
1 · 20
2 · 10
4 · 5

41) 64
1 · 64
2 · 32
4 · 16
8 · 8

42) 96
1 · 96
2 · 48
3 · 32
4 · 24
6 · 16
8 · 12

$$\begin{array}{r} 1 \\ 7 \overline{)96} \\ \underline{-7} \\ 26 \end{array}$$

43) What factor pair(s) of 20 yield a difference of 19?

$$20 - 1 = 19$$

44) What factor pair(s) of 96 yield a sum of 20?

$$8 + 12 = 20$$

45) What factor pair(s) of 96 yield a difference of 20?

$$24 - 4 = 20$$

List first 5 multiples:

46) 11
11, 22, 33, 44, 55,...

47) 4
4, 8, 12, 16, 20,...

48) 8
8, 16, 24, 32, 40,...

List all factors as factor pairs:

49) 132
1 · 132
2 · 66
3 · 44
4 · 33

$$\begin{array}{r} 44 \\ 3 \overline{)132} \\ \underline{-12} \\ 12 \end{array}$$

$$\begin{array}{r} 1 \\ 7 \overline{)132} \\ \underline{-7} \\ 62 \end{array}$$

50) 156
1 · 156
2 · 78
3 · 52
4 · 39
6 · 26
12 · 13

51) 260
1 · 260
2 · 130
4 · 65
5 · 52
10 · 26
13 · 20

$$\begin{array}{r} 20 \\ 13 \overline{)260} \\ \underline{-26} \\ 00 \end{array}$$

52) What factor pair(s) of 156 yield a sum of 32?

$$6 + 26 = 32$$

53) What factor pair(s) of 260 yield a sum of 69?

$$4 + 65 = 69$$

54) What factor pair(s) of 260 yield a difference of 7?

$$20 - 13 = 7$$