

How Many Megabytes per second in a Megabit per second?

1 Megabyte/sec is equal to 8 × Megabit/sec.

1 Megabit/s = 0.125 Megabytes/sec.

Mbps : Megabit per second (Mbit/s or Mb/s)

MB/s : Megabyte per second

1 byte = 8 bits

1 bit = (1/8) bytes

1 bit = 0.125 bytes

1 megabyte = 1000² bytes

1 megabit = 1000² bits

1 megabit = 0.125 megabytes

1 megabit/second = 0.125 megabytes/second

1 Mbps = 0.125 MB/s

Megabits per second to MB/s Examples

- ADSL 8.0 Mbit/s has 1 MB/s download rate and 1.0 Mbit/s = 0.125 MB/s upload rate.
- ADSL2 12.0 Mbit/s has 1.5 MB/s download rate and 1.0 Mbit/s = 0.1625 MB/s upload rate.
- ADSL2 24.0 Mbit/s has 3 MB/s download rate and 3.3 Mbit/s = 0.4125 MB/s upload rate.
- USB 2.0 transmission speed 480 Mbit/s = 60 MB/s.

Mbps to MB/s Conversion Table

Megabit per second	Megabyte per second
1 Mbps	0.125 MB/s
2 Mbps	0.25 MB/s
3 Mbps	0.375 MB/s
4 Mbps	0.5 MB/s
5 Mbps	0.625 MB/s
6 Mbps	0.75 MB/s
7 Mbps	0.875 MB/s
8 Mbps	1 MB/s
9 Mbps	1.125 MB/s
10 Mbps	1.25 MB/s
11 Mbps	1.375 MB/s

12 Mbps	1.5 MB/s
13 Mbps	1.625 MB/s
14 Mbps	1.75 MB/s
15 Mbps	1.875 MB/s
16 Mbps	2 MB/s
17 Mbps	2.125 MB/s
18 Mbps	2.25 MB/s
19 Mbps	2.375 MB/s
20 Mbps	2.5 MB/s
21 Mbps	2.625 MB/s
22 Mbps	2.75 MB/s
23 Mbps	2.875 MB/s
24 Mbps	3 MB/s
25 Mbps	3.125 MB/s
26 Mbps	3.25 MB/s
27 Mbps	3.375 MB/s
28 Mbps	3.5 MB/s
29 Mbps	3.625 MB/s
30 Mbps	3.75 MB/s
31 Mbps	3.875 MB/s
32 Mbps	4 MB/s
33 Mbps	4.125 MB/s
34 Mbps	4.25 MB/s
35 Mbps	4.375 MB/s
36 Mbps	4.5 MB/s
37 Mbps	4.625 MB/s
38 Mbps	4.75 MB/s
39 Mbps	4.875 MB/s
40 Mbps	5 MB/s
41 Mbps	5.125 MB/s
42 Mbps	5.25 MB/s
43 Mbps	5.375 MB/s
44 Mbps	5.5 MB/s
45 Mbps	5.625 MB/s
46 Mbps	5.75 MB/s
47 Mbps	5.875 MB/s

48 Mbps	6 MB/s
49 Mbps	6.125 MB/s
50 Mbps	6.25 MB/s

Megabit per second	Megabyte per second
51 Mbps	6.375 MB/s
52 Mbps	6.5 MB/s
53 Mbps	6.625 MB/s
54 Mbps	6.75 MB/s
55 Mbps	6.875 MB/s
56 Mbps	7 MB/s
57 Mbps	7.125 MB/s
58 Mbps	7.25 MB/s
59 Mbps	7.375 MB/s
60 Mbps	7.5 MB/s
61 Mbps	7.625 MB/s
62 Mbps	7.75 MB/s
63 Mbps	7.875 MB/s
64 Mbps	8 MB/s
65 Mbps	8.125 MB/s
66 Mbps	8.25 MB/s
67 Mbps	8.375 MB/s
68 Mbps	8.5 MB/s
69 Mbps	8.625 MB/s
70 Mbps	8.75 MB/s
71 Mbps	8.875 MB/s
72 Mbps	9 MB/s
73 Mbps	9.125 MB/s
74 Mbps	9.25 MB/s
75 Mbps	9.375 MB/s
76 Mbps	9.5 MB/s
77 Mbps	9.625 MB/s
78 Mbps	9.75 MB/s
79 Mbps	9.875 MB/s
80 Mbps	10 MB/s
81 Mbps	10.125 MB/s

82 Mbps	10.25 MB/s
83 Mbps	10.375 MB/s
84 Mbps	10.5 MB/s
85 Mbps	10.625 MB/s
86 Mbps	10.75 MB/s
87 Mbps	10.875 MB/s
88 Mbps	11 MB/s
89 Mbps	11.125 MB/s
90 Mbps	11.25 MB/s
91 Mbps	11.375 MB/s
92 Mbps	11.5 MB/s
93 Mbps	11.625 MB/s
94 Mbps	11.75 MB/s
95 Mbps	11.875 MB/s
96 Mbps	12 MB/s
97 Mbps	12.125 MB/s
98 Mbps	12.25 MB/s
99 Mbps	12.375 MB/s
100 Mbps	12.5 MB/s