

## Math Worksheet for 8th Grade

### Scientific notation word problems

Answers (1–50)

1.  $2.0 \times 10^{13}$
2.  $7.5 \times 10^0$  m (7.5 m)
3.  $1.8 \times 10^0$  L (1.8 liters)
4.  $2.16 \times 10^{11}$  red blood cells
5.  $5.0 \times 10^7$  slides
6.  $2.5 \times 10^0$  kg (2.5 kg)
7.  $5.0 \times 10^0$  L (5.0 liters)
8.  $2.0 \times 10^8$  red blood cells per  $m^2$
9.  $7.5 \times 10^{-3}$  mm
10.  $1.5 \times 10^{13}$  red blood cells
11.  $1.8 \times 10^3$   $m^2$
12.  $2.0 \times 10^6$  red blood cells per mL
13.  $2.4 \times 10^{13}$  red blood cells
14.  $4.5 \times 10^8$  red blood cells
15.  $5.0 \times 10^7$  red blood cells
16.  $3.75 \times 10^0$  m (3.75 m)
17.  $2.0 \times 10^{-2}$
18.  $3.33 \times 10^3$
19.  $1.2 \times 10^0$  (120%)
20.  $3.04 \times 10^{13}$  dollars
21.  $2.97 \times 10^{13}$  dollars
22.  $3.0 \times 10^{11}$  one-hundred-dollar bills
23.  $1.5 \times 10^{12}$  dollars per year
24.  $3.0 \times 10^{12}$  dollars per year
25.  $3.0 \times 10^1$  years (30 years)
26.  $3.6 \times 10^1$  (36 trillions)
27.  $2.0 \times 10^{11}$  dollars
28.  $2.6 \times 10^{13}$  dollars
29.  $2.5 \times 10^{-2}$  (2.5%)
30.  $7.5 \times 10^{11}$  dollars per year
31.  $2.0 \times 10^{-1}$  (20%)

## Math Worksheet for 8th Grade

### Scientific notation word problems

32. 6 years
33.  $8.76 \times 10^{11}$  dollars
34.  $1.0 \times 10^1$  years (10 years)
35.  $3.00 \times 10^8$  m
36.  $1.08 \times 10^{12}$  m
37.  $2.592 \times 10^{13}$  m
38.  $9.468 \times 10^{15}$  m
39.  $3.79 \times 10^{16}$  m (approx.;  $4.0 \times 9.468 \times 10^{15}$ )
40.  $1.28 \times 10^0$  s ( 1.28 s)
41.  $4.99 \times 10^2$  s ( 8.31 minutes)
42.  $3.33 \times 10^0$  s ( 3.33 s)
43.  $6.0 \times 10^4 \frac{m}{s}$
44.  $3.33 \times 10^{-3}$  s =  $3.33 \times 10^3$  s
45.  $1.83 \times 10^2$  s
46.  $5.45 \times 10^{14}$  Hz
47.  $1.44 \times 10^{12}$  m
48.  $6.67 \times 10^0$  s ( 6.67 s)
49.  $1.33 \times 10^{-1}$  s ( 0.133 s)
50.  $4.0 \times 10^4$  s =  $1.11 \times 10^1$  hours ( 11.11 hours)