Examples 1

Click the question to see the answer.

1.0. How many 10s are there in the number 7406?

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7406 = 740 x 10 + 6, so it has 740 of 10s.

1.1. How many 1s are there in the number 7406?

1.1. How many 1s are there in the number 7406?

7406 = 7406 x 1, so it has 7406 of 1s.

1.2. How many 100s are there in the number 7406?

1.2. How many 100s are there in the number 7406?

7406 = 74 x 100 + 6, and thus, it has 74 of 100s.

1.3. How many 1000s are there in the number 7406?

1.3. How many 1000s are there in the number 7406?

7406 = 7 x 1000 + 406, so it has 7 of 1000s.

1.4. How many 1s are there in the 10’s digit in the number 7406?

1.4. How many 1s are there in the 10’s digit in the number 7406?

10’s digit has 0. So the 10’s digit has none of 1s.

1.5. How many 1s are there in the 1’s digit in the number 7406?

1.5. How many 1s are there in the 1’s digit in the number 7406?

1’s digit has 6. So it has 6 of 1s.

1.6. How many 1s are there in the 1000’s digit in the number 7406?

1.6. How many 1s are there in the 1000’s digit in the number 7406?

1000’s digit has 7. So it has 7 of 1s.

1.7. How many 1s are there in the 100’s digit in the number 7406?

1.7. How many 1s are there in the 100’s digit in the number 7406?

100’s digit has 4. So it has 4 of 1s.

1.8. How many 3s are there in 1’s digit in the number 7406?

1.8. How many 3s are there in 1’s digit in the number 7406?

1’s digit has 6. And 6 = 2 x 3. So it has 2 of 3s.

1.9. How many 2s are there in 100’s digit in the number 7406?

1.9. How many 2s are there in 100’s digit in the number 7406?

100’s digit has 4. And 4 = 2 x 2. So it has 2 of 2s.

1.A. How many 7s are there in the 1000’s digit in the number 7406?

1.A. How many 7s are there in the 1000’s digit in the number 7406?

1000’s digit has 7. And 7 = 1 x 7. So it has 1 of 7s.

1.B. How many 4’s are there in the 10’s digit in the number 7406?

1.B. How many 4's are there in the 10's digit in the number 7406?

10's digit has 0. And 0 = 0 x 4. So it has none of 4s.

Moving on to the next set of examples, click this: **Examples 2**.

Examples 2

2.0. What is a number made of 2 of 1s, 5 of 10s, and 7 of 100s?

2.0. What is a number made of 2 of 1s, 5 of 10s, and 7 of 100s?

2 x 1 + 5 x 10 + 7 x 100 = 752

2.1. What number has none of 1s, 4 of 10s, and 9 of 100s?

2.1. What number has none of 1s, 4 of 10s, and 9 of 100s?

0 x 1 + 4 x 10 + 9 x 100 = 940

2.2. If a number has 9 of 10s, 3 of 1s, and 12 of 100s, what is the number?

2.2. If a number has 9 of 10s, 3 of 1s, and 12 of 100s, what is the number?

9 x 10 + 3 x 1 + 12 x 100 = 3 + 90 + 1200 = 3 + 90 + 200 + 1000 = 1293

2.3. What is a number that has 14 of 1s, 9 of 10s, 19 of 100s, and 19 of 1000s?

2.3. What is a number that has 14 of 1s, 9 of 10s, 19 of 100s, and 19 of 1000s?

14 x 1 + 9 x 10 + 19 x 100 + 19 x 1000
= 14 + 90 + 1900 + 19000
= 4 + 10 + 90 + 900 + 1000 + 9000 + 10000
= 4 + 100 + 900 + 10000 + 10000
= 4 + 1000 + 20000
= 21004

2.4. What is a number has 12 of 10s, 215 of 1s, none of 100s, and 121 of 1000s?

2.4. What is a number has 12 of 10s, 215 of 1s, none of 100s, and 121 of 1000s?

12 x 10 + 215 x 1 + 0 x 100 + 121 x 1000
= 120 + 215 + 121000
= 100 + 20 + 200 + 10 + 5 + 100000 + 20000 + 1000
= 100000 + 20000 + 1000 + 300 + 30 + 5
= 121335

2.5. What is a number has 2 of 0.1s, 5 of 0.01s, and 7 of 0.001s?

2.5. What is a number has 2 of 0.1s, 5 of 0.01s, and 7 of 0.001s?

2 x 0.1 + 5 x 0.01 + 7 x 0.001 = 0.2 + 0.05 + 0.007 = 0.257

2.6. What number has none of 0.1s, 4 of 0.01s, 7 of 0.001s, and 9 of 0.0001s?

2.6. What number has none of 0.1s, 4 of 0.01s, 7 of 0.001s, and 9 of 0.0001s?

0 x 0.1+ 4 x 0.01 + 7 x 0.001 + 9 x 0.0001 = 0 + 0.04 + 0.007 + 0.0009 = 0.0479

2.7. If a number has 9 of 0.1s, 13 of 0.01s, and 24 of 0.001s, what is the number?

2.7. If a number has 9 of 0.1s, 13 of 0.01s, and 24 of 0.001s, what is the number?

9 x 0.1 + 13 x 0.01 + 24 x 0.001
= 0.9 + 0.13 + 0.024
= 0.9 + 0.1 + 0.03 + 0.02 + 0.004
= 1 + 0.05 + 0.004
= 1.054

2.8. What number has 14 of 0.1s, 19 of 0.01s, 91 of 0.001s, and 19 of 0.0001s?

2.8. What number has 14 of 0.1s, 19 of 0.01s, 91 of 0.001s, and 19 of 0.0001s?.

14 x 0.1 + 19 x 0.01 + 91 x 0.001 + 19 x 0.0001
= 1.4 + 0.19 + 0.091 + 0.0019
= 1 + 0.4 + 0.1 + 0.09 + 0.09 + 0.001 + 0.001 + 0.0009
= 1 + 0.5 + 0.18 + 0.002 + 0.0009
= 1 + 0.5 + 0.1 + 0.08 + 0.002 + 0.0009
= 1 + 0.6 + 0.08 + 0.002 + 0.0009
= 1.6829

2.9. What number has 27 of 0.1s, 215 of 0.01s, none of 0.001s, and 151 of 0.0001s?

2.9. What number has 27 of 0.1s, 215 of 0.01s, none of 0.001s, and 151 of 0.0001s?

27 x 0.1 + 215 x 0.01 + 0 x 0.001 + 151 x 0.0001
= 2.7 + 2.15 + 0 + 0.0151
= 2 + 0.7 + 2 + 0.1 + 0.05 + 0.01 + 0.005 + 0.0001
= 4 + 0.8 + 0.06 + 0.005 + 0.0001
= 4.8651

Moving on to the next examples, click this: **Examples 3**.

Examples 3

3.0. Find the sum of 3 of 1000s, 2 of 100s, 4 of 10s, and 5 of 1s

Click the problem above to see the solution.

3.0. Find the sum of 3 of 1000s, 2 of 100s, 4 of 10s, and 5 of 1s

3 x 1000 + 2 x 100 + 4 x 10 + 5 x 1 = 3245

3.1. Find the sum of 7 of 1000s, 12 of 100s, 16 of 10s, and 15 of 1s

Click the problem above to see the solution.

3.1. Find the sum of 7 of 1000s, 12 of 100s, 16 of 10s, and 15 of 1s

7 x 1000 + 12 x 100 + 16 x 10 + 15 x 1
= 7000 + 1200 + 160 + 15
= 7000 + 1000 + 200 + 100 + 60 + 10 + 5
= 8000 + 300 + 70 + 5
= 8375

3.2. Find the sum of 18 of 1000s, 4 of 100s, and 128 of 1s

3.2. Find the sum of 18 of 1000s, 4 of 100s, and 128 of 1s

18 x 1000 + 4 x 100 + 128 x 1
= 18000 + 400 + 128
= 18000 + 400 + 100 + 28
= 18000 + 500 + 28
= 18528

3.3. Find the sum of 12 of 1000s, 724 of 10s, and 309 of 1s

3.3. Find the sum of 12 of 1000s, 724 of 10s, and 309 of 1s

12 x 1000 + 724 x 10 + 309 x 1
= 12000 + 7240 + 309
= 10000 + 2000 + 7000 + 200 + 40 + 300 + 9
= 10000 + 9000 + 500 + 40 + 9
= 19549

3.4. Find the sum of 27 of 1000s, 103 of 100s, 802 of 10s, and 109 of 1s

3.4. Find the sum of 27 of 1000s, 103 of 100s, 802 of 10s, and 109 of 1s

27 x 1000 + 103 x 100 + 802 x 10 + 109 x 1
= 27000 + 10300 + 8020 + 109
= 20000 + 7000 + 10000 + 300 + 8000 + 20 + 100 + 9
= 30000 + 15000 + 400 + 29
= 45000 + 429
= 45429

3.5. Find the sum of 308 of 1000s, 207 of 100s, 1003 of 10s, and 104 of 1s

3.5. Find the sum of 308 of 1000s, 207 of 100s, 1003 of 10s, and 104 of 1s

308 x 1000 + 207 x 100 + 1003 x 10 + 104 x 1
= 308000 + 20700 + 10030 + 104
= 300000 + 8000 + 20000 + 700 + 10000 + 30 + 100 + 4
= 300000 + 30000 + 8000 + 800 + 34
= 338834

3.6. Find the sum of 2 of 1s, 52 of 0.01s, and 75 of 0.001s

3.6. Find the sum of 2 of 1s, 52 of 0.01s, and 75 of 0.001s

2 x 1 + 52 x 0.01 + 75 x 0.001
= 2 + 0.52 + 0.075
= 2 + 0.5 + 0.02 + 0.07 + 0.005
= 2 + 0.5 + 0.09 + 0.005
= 2.595

3.7. Find the sum of 7 of 10s, 17 of 1s, 45 of 0.1s, 72 of 0.01s, and 902 of 0.001s

3.7. Find the sum of 7 of 10s, 17 of 1s, 45 of 0.1s, 72 of 0.01s, and 902 of 0.001s

7 x 10 + 17 x 1 + 45 x 0.1 + 72 x 0.01 + 902 x 0.001
= 70 + 17 + 4.5 + 0.72 + 0.902
= 70 + 10 + 7 + 4 + **0.5** + **0.7** + 0.02 + **0.9** + 0.002
= 80 + 11 + **21 x 0.1** + 0.02 + 0.002
= 80 + 10 + 1 + 2.1 + 0.02 + 0.002
= 90 + 1 + 2 + 0.1 + 0.02 + 0.002
= 90 + 3 + 0.1 + 0.02 + 0.002
= 93.122

3.8. Find the sum of 12 of 10s, 127 of 1s, 95 of 0.1s, 143 of 0.01s, and 294 of 0.001s

3.8. Find the sum of 12 of 10s, 127 of 1s, 95 of 0.1s, 143 of 0.01s, and 294 of 0.001s

12 x 10 + 127 x 1 + 95 x 0.1 + 143 x 0.01 + 294 x 0.001
= 120 + 127 + 9.5 + 1.43 + 0.294
= 247 + 9 + 0.5 + 1 + 0.4 + 0.03 + 0.2 + 0.09 + 0.004
= 247 + 10 + 11 x 0.1 + 12 x 0.01 + 0.004
= 257 + 1.1 + 0.12 + 0.004
= 257 + 1 + 0.1 + 0.124
= 258 + 0.224
= 258.224

3.9. Find the sum of 14 of 10s, 195 of 0.1s, 921 of 0.001s, and 109 of 0.0001s

3.9. Find the sum of 14 of 10s, 195 of 0.1s, 921 of 0.001s, and 109 of 0.0001s

14 x 10 + 195 x 0.1 + 921 x 0.001 + 109 x 0.0001
= 140 + 19.5 + 0.921 + 0.0109
= 140 + 10 + 9 + 0.5 + 0.9 + 0.02 + 0.001 + 0.01 + 0.0009
= 159 + 14 x 0.1 + 0.03 + 0.0019
= 159 + 1.4 + 0.0319
= 159 + 1 + 0.4 + 0.0319
= 160.4319

3.A. Find the sum of 207 of 1s, 2115 of 0.01s, 1000 of 0.001s, and 1501 of 0.0001s

3.A. Find the sum of 207 of 1s, 2115 of 0.01s, 1000 of 0.001s, and 1501 of 0.0001s

207 x 1 + 2115 x 0.01 + 1000 x 0.001 + 1501 x 0.0001
= 207 + 21.15 + 1 + 0.1501
= 200 + 7 + 20 + 1 + 0.15 + 1 + 0.15 + 0.0001
= 229 + 2 x 0.15 + 0.0001
= 229 + 0.3 + 0.0001
= 229.3001