

## Number Sense Sample file: for Elementary School

Duration: 10 minutes. For rules: refer <http://mathleague.org/nsrules.php>

1.	$19 + 13 =$	22.	$45\% =$ _____ (fraction)
2.	Which of the following is smallest: 8.00, -8.01, -8.00? =	23.	$\frac{5}{8} + \frac{7}{12} =$ _____ (fraction)
3.	Write "twenty-six" using digits =	24.	$52 \times 58 =$ _____
4.	$573 + 57 =$	25.	$152 - 55 =$ _____
5.	$6 \times 9 =$	26.	$752.573 =$ _____ (rounded to the tenth)
6.	$43 + 999 =$	27.	$18 \times 19 + 38 =$ _____
7.	$11 +$ _____ $= 19$	28.	One pen costs \$0.40. Six pens cost a total of \$_____.
8.	$7 + 12 =$	29.	$456 + 654 =$ _____.
9.	Round 2542 to the nearest ten:	30.	(estimate) $11\pi =$ _____ (integer).
10.	(estimate) $753 + 571 + 77 =$	31.	$\frac{1}{12} \div \frac{1}{2} =$ _____ (fraction)
11.	$6 - 4 + 2 - 3 =$	32.	$4.8 \times 5 =$ _____
12.	$240 \times 3 =$	33.	$282 \div 3 =$ _____.
13.	75 is how many more than 47? _____	34.	The remainder of $4963 \div 3$ is _____.
14.	$3 \times 1 + 4 \times 100 + 8 \times 1000 =$	35.	$-(-(-(-6)) - 4(-3)) =$ _____.
15.	Find the remainder when 575 is divided by 4 =	36.	What is the area of a rectangle with a length of 8 and a width of 11? _____
16.	$2 + 4 + 6 + 8 =$	37.	$2 \times 4 \times 50 =$ _____
17.	How many even numbers are there between 13 and 29? _____	38.	$2^4 \times 5^4 =$ _____.
18.	$\sqrt{81} =$ _____.	39.	$\frac{1}{9} + \frac{2}{9} + \frac{3}{9} + \frac{4}{9} + \frac{5}{9} + \frac{6}{9} + \frac{7}{9} + \frac{8}{9} =$ _____.
19.	$42 \times 15 =$	40.	(estimate) $41 \times 441 =$ _____.
20.	(estimate) $753 + 185 - 417 =$ _____	41.	What is ones digit of 356.73 = _____.
21.	$61 \times 12 =$ _____	42.	$4 + 12 = 8 \times$ _____.

43.	$.12 \times 18 =$ _____ (decimal).	62.	If the angles of a triangle are $34^\circ$ , $75^\circ$ and $x^\circ$ , then $x^\circ =$ _____.
44.	What is the average value of the numbers 12, 5, 6 and 9? _____.	63.	$1^2 + 3^2 + 5^2 + 7^2 + 9^2 =$ _____.
45.	If $a = 3$ , then $10a + 4 =$ _____.	64.	$7643 + 642 - 726 =$ _____.
46.	$1 + 3 + 5 + \dots + 19 =$ _____.	65.	The area of a triangle with side lengths 5, 5 and 6 is _____.
47.	XLIV = _____ (Arabic Numeral).	66.	GCD of 24 and 32 is = _____.
48.	What is the perimeter of a square with side length 27? _____.	67.	24% of 120 = _____ (decimal).
49.	$110011_2 =$ _____ (base 10).	68.	What is the unit digit of $12^5 =$ _____.
50.	(estimate) $5\pi^2 =$ _____.	69.	If \$1 = 11.2 Rands, \$75 = _____ (Rands).
51.	$\frac{3}{7} \times \frac{14}{15} =$ _____.	70.	(estimate) $3061^2 =$ _____.
52.	What is the length of the hypotenuse of a triangle with legs 6 and 8? _____.	71.	Reduce $\frac{15}{36}$ to simplest form = _____.
53.	$94 \times 107 =$ _____.	72.	A regular hexagon has _____ diagonals.
54.	What is the volume of a cube with side length 8? _____.	73.	170 out of 500 = _____ %.
55.	37.5% = _____ (fraction).	74.	LCM of 12 and 22 is = _____.
56.	If a rectangle's perimeter is 64 and its length is 19, then its width is _____.	75.	$845 \div 15 =$ _____ (mixed number).
57.	How many composite numbers are there between 19 and 37= _____.	76.	$391 \div 23 =$ _____.
58.	In a quadrilateral, the angles are $90^\circ$ , $106^\circ$ and $134^\circ$ . What is 4th angle? _____.	77.	Rolls are sold for 72 cents a dozen. How much would 30 rolls cost? _____ (cents).
59.	If a circle has radius 13 cm, then its area is _____.	78.	$\frac{3}{8} \times 65 =$ _____ (mixed number).
60*	(estimate) $4^5 =$ _____.	79.	$\sqrt{1024} =$ _____
61.	$125^2 - 75^2 =$ _____.	80.	(estimate) $364000 \div 47 =$ _____.

Answers:

1.	32	21.	732	41.	6	61.	10000
2.	- 8.01	22.	$\frac{9}{20}$	42.	2	62.	71
3.	26	23.	$\frac{29}{24}$	43.	2.16	63.	165
4.	630	24.	3016	44.	8	64.	7559
5.	54	25.	97	45.	34	65.	12
6.	1042	26.	753	46.	100	66.	8
7.	8	27.	380	47.	44	67.	28.8
8.	19	28.	\$2.40	48.	108	68.	2
9.	2500	29.	1110	49.	51	69.	840
10.*	[1331 - 1471]	30.*	[33 - 36]	50.*	[47 - 52]	70.*	[8901235 - 9838207]
11.	1	31.	$\frac{1}{6}$	51.	$\frac{2}{5}$	71.	$\frac{5}{12}$
12.	720	32.	24	52.	10	72.	9
13.	28	33.	94	53.	10058	73.	34%.
14.	8403	34.	1	54.	512	74.	132
15.	3	35.	-6	55.	$\frac{3}{8}$	75.	$56\frac{1}{3}$
16.	20	36.	88	56.	13	76.	17
17.	8	37.	400	57.	14	77.	180
18.	9	38.	10000	58.	30	78.	$24\frac{3}{8}$
19.	630	39.	5	59.	$169\pi$	79.	32
20.*	[495 - 547]	40.*	[17177-18985]	60.*	[973 - 1075]	80.*	[7358 - 8132]