Significant Figures Worksheet

Identify the number of significant figures in the following numbers

1. 357 3
2. 10000 1
3. 51015 5
4. 6.060×10^{-2} 4
5. 0.0007 1
6. 4.556×10^{-9} 4
7. 5050 3
8. 5050.0 5
9. 6.8×10^{3} 2
10. 0.002110 4
11. 33.303 5
12. 170 2
13. 15.0×10^{-5} 3
14. 0.7007 4
15. 0.70070 5
16. 4206 4
17. 0.02 1
18. 10.01 4

Complete the following problems and round to the correct number of significant figures

1. 6×0.30 2
2. $35.6 + 56.27$ 91.9
3. $0.03 \times 7 \times 210$ 40
4. $4.337 + 84.7128$ 89.050
5. 11.6×6.24 72.4
6. $6.2 + 4.114$ 10.3
7. 0.004×5280 20
8. $7.331 + 12.42$ 19.75
9. $500.55 \div 5.11$ 98.0
10. $22.5285 + 22.14 + 4.266$ 44.67
11. $1000 \div 8.2$ 100
12. $88.489 + 7.133 + 6.5$ 102.1
13. 51.6×31.4 1620
14. $48.835 - 9.1$ 39.7
15. 8088×0.4 3000
16. $16.221 - 8.28$ 7.94
17. $204.17 \div 3.2$ 64
18. $101.12 - 98.7$ 2.4
19. 31.2×4.1 130
20. $13.7 + 25.466$ 39.2
21. $8000 \div 9.7$ 800
22. $45.758 - 33.22$ 12.54
23. 35.45×6.1 220
24. $19.6 - 8.77$ 10.8
25. 1.1×3.25 3.6
26. $23 + 16.4 + 22.0$ 61
27. $1000 \div 19.7$ 50
28. $24.5764 - 1.98$ 22.60
29. 10.0×0.02 0.2
30. $8.31 + 7.2 + 9.4626$ 25.0
31. $6848 \div 2.4$ 2900
32. $3.94 + 68.77 + 83.197$ 155.91
33. 3.3×2.7 8.9
34. $12.484 + 3.6$ 16.1
35. $31.66 \div 0.02$ 2000
36. $19.117 - 8.11$ 11.01
37. $9.66 \div 0.33$ 29
38. $7.6924 + 9.6 - 4.888$ 12.4
39. $12.4 \times 12.8 \times 16$ 2500
40. $19.8 - 8.75 + 11$ 22

Complete the following problems and round to the correct number of significant figures

1. $44.47 \div (7.2 + 9.49)$
   $44.47 \div 16.\overline{6}9$
   2.66
2. $1.49 \times 26.5 - 94.91$
   $39.\overline{4}85 - 94.91$
   -55.4
3. $7.64^2 \div 9.554 + 39.2$
   $58.\overline{3}696 \div 9.551 + 39.2$
   $6.1\overline{0}9441 + 39.2$
   45.3
4. $3.3 \times 3.421 + 36.2$
   $1\overline{1}.2893 + 36.2$
   47

5. $3.7^3 \div (18.183 - 13.2)$

$3.7^3 \div 4.\overline{9}83$

$50.653 \div 4.\overline{9}83$

56

6. $12.82^2 + 18.133 \times 5.5$

$164.\overline{3}524 + 18.133 \times 5.5$

$164.\overline{3}524 + 9\overline{9}.7315$

264

7. $9.29 \div 6.7 - 32.68$

$1.\overline{3}86567 - 32.68$

-31.3

8. $61.7 - 2.58^3 \div 88.412$

$61.7 - 17.\overline{1}73512 \div 88.412$

$61.7 - 0.19\overline{4}24413$

61.5

9. $2.3^2 \times 9.489 + 5.11^3$

$5.\overline{2}9 \times 9.489 + 13\overline{3}.432831$

$5\overline{0}.19681 + 13\overline{3}.432831$

184

10. $53.14 \times 24.643 + 2.90^6$

$53.14 \times 24.643 + 59\overline{4}.823321$

$1309.\overline{5}2902 + 59\overline{4}.823321$

1904