

Math Sheet

Name _____ Score _____ / 20 Teacher _____ Date _____

Expanded notation: decimals

Complete both parts: expand the numbers, then combine the place values.

Write the number as a sum of digit $\times$ place-value products.

1. 43.65

2. 68.25

3. 40.34

4. 12.66

5. 91.24

6. 46.03

7. 16.77

8. 10.55

9. 39.23

10. 96.20

Combine the place values and write the number.

11. $(5 \times 10) + (6 \times 1) + (8 \times 0.1) + (2 \times 0.01)$

12. $(1 \times 10) + (4 \times 1) + (7 \times 0.1) + (7 \times 0.01)$

13. $(4 \times 10) + (2 \times 1) + (7 \times 0.1) + (2 \times 0.01)$

14. $(7 \times 10) + (8 \times 1) + (9 \times 0.1) + (2 \times 0.01)$

15. $(2 \times 10) + (5 \times 1) + (8 \times 0.1) + (8 \times 0.01)$

16. $(6 \times 10) + (4 \times 1) + (8 \times 0.1) + (9 \times 0.01)$

17. $(5 \times 10) + (0 \times 1) + (9 \times 0.1) + (5 \times 0.01)$

18. $(3 \times 10) + (6 \times 1) + (3 \times 0.1) + (4 \times 0.01)$

19. $(5 \times 10) + (3 \times 1) + (4 \times 0.1) + (0 \times 0.01)$

20. $(3 \times 10) + (2 \times 1) + (2 \times 0.1) + (0 \times 0.01)$

Math Sheet

Name _____ Score _____ / 20 Teacher _____ Date _____

Expanded notation: decimals

Answer key

Complete both parts: expand the numbers, then combine the place values.

Write the number as a sum of digit $\times$ place-value products.

1. 43.65

$$(4 \times 10) + (3 \times 1) + (6 \times 0.1) + (5 \times 0.01)$$

2. 68.25

$$(6 \times 10) + (8 \times 1) + (2 \times 0.1) + (5 \times 0.01)$$

3. 40.34

$$(4 \times 10) + (0 \times 1) + (3 \times 0.1) + (4 \times 0.01)$$

4. 12.66

$$(1 \times 10) + (2 \times 1) + (6 \times 0.1) + (6 \times 0.01)$$

5. 91.24

$$(9 \times 10) + (1 \times 1) + (2 \times 0.1) + (4 \times 0.01)$$

6. 46.03

$$(4 \times 10) + (6 \times 1) + (0 \times 0.1) + (3 \times 0.01)$$

7. 16.77

$$(1 \times 10) + (6 \times 1) + (7 \times 0.1) + (7 \times 0.01)$$

8. 10.55

$$(1 \times 10) + (0 \times 1) + (5 \times 0.1) + (5 \times 0.01)$$

9. 39.23

$$(3 \times 10) + (9 \times 1) + (2 \times 0.1) + (3 \times 0.01)$$

10. 96.20

$$(9 \times 10) + (6 \times 1) + (2 \times 0.1) + (0 \times 0.01)$$

Combine the place values and write the number.

11. $(5 \times 10) + (6 \times 1) + (8 \times 0.1) + (2 \times 0.01)$

56.82

12. $(1 \times 10) + (4 \times 1) + (7 \times 0.1) + (7 \times 0.01)$

14.77

13. $(4 \times 10) + (2 \times 1) + (7 \times 0.1) + (2 \times 0.01)$

42.72

14. $(7 \times 10) + (8 \times 1) + (9 \times 0.1) + (2 \times 0.01)$

78.92

15. $(2 \times 10) + (5 \times 1) + (8 \times 0.1) + (8 \times 0.01)$

25.88

16. $(6 \times 10) + (4 \times 1) + (8 \times 0.1) + (9 \times 0.01)$

64.89

17. $(5 \times 10) + (0 \times 1) + (9 \times 0.1) + (5 \times 0.01)$

50.95

18. $(3 \times 10) + (6 \times 1) + (3 \times 0.1) + (4 \times 0.01)$

36.34

19. $(5 \times 10) + (3 \times 1) + (4 \times 0.1) + (0 \times 0.01)$

53.40

20. $(3 \times 10) + (2 \times 1) + (2 \times 0.1) + (0 \times 0.01)$

32.20