

Worksheet 1: Identify the Place

Write the place of the bold digit.

1. 47,325 → \_\_\_\_\_
2. 63,814 → \_\_\_\_\_
3. 542,681 → \_\_\_\_\_
4. 291,643 → \_\_\_\_\_
5. 75,428 → \_\_\_\_\_
6. 83,216 → \_\_\_\_\_
7. 416,905 → \_\_\_\_\_
8. 705,324 → \_\_\_\_\_
9. 54,218 → \_\_\_\_\_
10. 326,741 → \_\_\_\_\_
11. 86,425 → \_\_\_\_\_
12. 174,382 → \_\_\_\_\_
13. 924,615 → \_\_\_\_\_
14. 53,816 → \_\_\_\_\_
15. 407,521 → \_\_\_\_\_
16. 62,408 → \_\_\_\_\_
17. 381,642 → \_\_\_\_\_
18. 295,674 → \_\_\_\_\_
19. 71,925 → \_\_\_\_\_
20. 54,307 → \_\_\_\_\_

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Worksheet 2: Find the Value of the Digit

Write the value of the bold digit.

1. 35,214 → \_\_\_\_\_
2. 62,741 → \_\_\_\_\_
3. 843,216 → \_\_\_\_\_
4. 154,382 → \_\_\_\_\_
5. 79,461 → \_\_\_\_\_
6. 528,430 → \_\_\_\_\_
7. 361,825 → \_\_\_\_\_
8. 472,615 → \_\_\_\_\_
9. 86,904 → \_\_\_\_\_
10. 217,538 → \_\_\_\_\_
11. 74,216 → \_\_\_\_\_
12. 245,613 → \_\_\_\_\_
13. 918,425 → \_\_\_\_\_
14. 63,281 → \_\_\_\_\_
15. 508,426 → \_\_\_\_\_
16. 81,539 → \_\_\_\_\_
17. 642,108 → \_\_\_\_\_
18. 374,175 → \_\_\_\_\_
19. 92,364 → \_\_\_\_\_

20.  $48,521 \rightarrow$  \_\_\_\_\_

\_\_\_\_\_

### Worksheet 3: Expanded Form

Write each number in expanded form.

1.  $34,521 =$  \_\_\_\_\_

2.  $67,408 =$  \_\_\_\_\_

3.  $125,306 =$  \_\_\_\_\_

4.  $407,215 =$  \_\_\_\_\_

5.  $830,604 =$  \_\_\_\_\_

6.  $246,781 =$  \_\_\_\_\_

7.  $501,329 =$  \_\_\_\_\_

8.  $719,450 =$  \_\_\_\_\_

9.  $908,216 =$  \_\_\_\_\_

10.  $654,032 =$  \_\_\_\_\_

11.  $382,615 =$  \_\_\_\_\_

12.  $470,208 =$  \_\_\_\_\_

13.  $915,324 =$  \_\_\_\_\_

14.  $206,741 =$  \_\_\_\_\_

15.  $738,509 =$  \_\_\_\_\_

16.  $590,416 =$  \_\_\_\_\_

17.  $821,703 =$  \_\_\_\_\_

18.  $305,628 =$  \_\_\_\_\_

19.  $964,150 =$  \_\_\_\_\_

20.  $417,892 =$  \_\_\_\_\_

Worksheet 4: Standard Form

Write each number in standard form.

1.  $40,000 + 5,000 + 300 + 20 + 6 =$  \_\_\_\_\_

2.  $200,000 + 30,000 + 4,000 + 500 + 8 =$  \_\_\_\_\_

3.  $600,000 + 7,000 + 200 + 40 + 1 =$  \_\_\_\_\_

4.  $90,000 + 4,000 + 600 + 5 =$  \_\_\_\_\_

5.  $300,000 + 20,000 + 8,000 + 700 + 60 + 2 =$  \_\_\_\_\_

6.  $500,000 + 6,000 + 300 + 20 + 9 =$  \_\_\_\_\_

7.  $700,000 + 40,000 + 2,000 + 800 + 5 =$  \_\_\_\_\_

8.  $100,000 + 80,000 + 900 + 30 + 4 =$  \_\_\_\_\_

9.  $400,000 + 5,000 + 70 + 6 =$  \_\_\_\_\_

10.  $800,000 + 20,000 + 3,000 + 400 + 50 + 1 =$  \_\_\_\_\_

11.  $200,000 + 50,000 + 600 + 30 + 7 =$  \_\_\_\_\_

12.  $900,000 + 4,000 + 200 + 10 + 5 =$  \_\_\_\_\_

13.  $600,000 + 30,000 + 7,000 + 800 + 20 =$  \_\_\_\_\_

14.  $300,000 + 8,000 + 500 + 40 + 9 =$  \_\_\_\_\_

15.  $700,000 + 20,000 + 5,000 + 300 + 6 =$  \_\_\_\_\_

16.  $100,000 + 60,000 + 4,000 + 70 + 2 =$  \_\_\_\_\_

17.  $500,000 + 90,000 + 800 + 4 =$  \_\_\_\_\_

18.  $400,000 + 30,000 + 2,000 + 600 + 50 =$  \_\_\_\_\_

19.  $800,000 + 7,000 + 400 + 20 + 3 =$  \_\_\_\_\_

20.  $900,000 + 50,000 + 6,000 + 700 + 8 =$  \_\_\_\_\_

Worksheet 5: Word Form

Write each number in word form.

1. 24,315 → \_\_\_\_\_

2. 56,408 → \_\_\_\_\_

3. 103,625 → \_\_\_\_\_

4. 275,410 → \_\_\_\_\_

5. 400,306 → \_\_\_\_\_

6. 518,729 → \_\_\_\_\_

7. 630,045 → \_\_\_\_\_

8. 704,218 → \_\_\_\_\_

9. 825,600 → \_\_\_\_\_

10. 999,999 → \_\_\_\_\_

11. 145,320 → \_\_\_\_\_

12. 208,516 → \_\_\_\_\_

13. 350,704 → \_\_\_\_\_

14. 472,819 → \_\_\_\_\_

15. 506,231 → \_\_\_\_\_

16. 614,508 → \_\_\_\_\_

17. 720,365 → \_\_\_\_\_
  18. 803,412 → \_\_\_\_\_
  19. 915,027 → \_\_\_\_\_
  20. 681,940 → \_\_\_\_\_
- 

### Worksheet 6: Compare Numbers

Write  $>$ ,  $<$ , or  $=$ .

1. 45,621 \_\_\_\_ 45,612
2. 78,405 \_\_\_\_ 78,450
3. 125,600 \_\_\_\_ 125,600
4. 302,145 \_\_\_\_ 320,145
5. 650,218 \_\_\_\_ 605,218
6. 89,765 \_\_\_\_ 89,756
7. 415,320 \_\_\_\_ 415,302
8. 700,125 \_\_\_\_ 700,215
9. 234,567 \_\_\_\_ 234,567
10. 521,408 \_\_\_\_ 512,408
11. 63,215 \_\_\_\_ 63,251
12. 145,600 \_\_\_\_ 145,060
13. 508,421 \_\_\_\_ 580,421
14. 721,305 \_\_\_\_ 721,350
15. 306,214 \_\_\_\_ 306,214

16. 840,125 \_\_\_\_ 804,125
  17. 275,630 \_\_\_\_ 275,603
  18. 490,218 \_\_\_\_ 409,218
  19. 615,702 \_\_\_\_ 615,720
  20. 930,450 \_\_\_\_ 903,450
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Worksheet 7: Order from Least to Greatest

Arrange the numbers from least to greatest.

1. 23,450; 32,450; 23,405; 21,999

→ \_\_\_\_\_

2. 45,210; 41,250; 54,120; 40,215

→ \_\_\_\_\_

3. 125,600; 125,060; 152,600; 105,260

→ \_\_\_\_\_

4. 306,421; 360,214; 306,241; 316,402

→ \_\_\_\_\_

5. 725,100; 702,510; 752,010; 720,501

→ \_\_\_\_\_

6. 84,215; 48,251; 84,125; 42,815

→ \_\_\_\_\_

7. 215,600; 205,160; 251,060; 201,560

→ \_\_\_\_\_

8. 430,215; 403,125; 432,015; 420,315

→ \_\_\_\_\_

9. 518,240; 581,420; 518,204; 508,214

→ \_\_\_\_\_

10. 675,310; 657,301; 675,130; 650,731

→ \_\_\_\_\_

11. 304,521; 340,251; 305,421; 300,542

→ \_\_\_\_\_

12. 725,610; 725,160; 752,610; 705,216

→ \_\_\_\_\_

13. 91,420; 91,240; 19,420; 90,412

→ \_\_\_\_\_

14. 408,215; 480,125; 418,205; 401,825

→ \_\_\_\_\_

15. 602,410; 620,401; 602,140; 600,421

→ \_\_\_\_\_

16. 315,720; 351,270; 315,207; 305,712

→ \_\_\_\_\_

17. 740,215; 704,251; 742,015; 740,125

→ \_\_\_\_\_

18. 823,410; 832,140; 820,341; 802,431

→ \_\_\_\_\_

19. 509,216; 590,126; 519,206; 509,261

→ \_\_\_\_\_

20. 675,421; 657,412; 675,214; 650,721

→ \_\_\_\_\_

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Worksheet 8: Order from Greatest to Least

Arrange the numbers from greatest to least.

1. 64,320; 46,230; 63,420; 64,302

→ \_\_\_\_\_

2. 215,400; 251,040; 205,140; 250,410

→ \_\_\_\_\_

3. 508,216; 580,126; 518,026; 508,621

→ \_\_\_\_\_

4. 720,450; 702,540; 725,040; 705,240

→ \_\_\_\_\_

5. 901,250; 910,205; 905,120; 915,020

→ \_\_\_\_\_

6. 84,520; 85,240; 82,450; 84,250

→ \_\_\_\_\_

7. 315,600; 351,060; 305,610; 350,160

→ \_\_\_\_\_

8. 425,810; 452,180; 420,518; 450,218

→ \_\_\_\_\_

9. 612,405; 621,450; 602,415; 612,045

→ \_\_\_\_\_

10. 735,210; 753,120; 735,201; 750,321

→ \_\_\_\_\_

11. 804,215; 840,125; 814,205; 801,425

→ \_\_\_\_\_

12. 526,410; 562,140; 526,401; 560,214

→ \_\_\_\_\_

13. 690,315; 609,351; 695,310; 690,351

→ \_\_\_\_\_

14. 412,850; 421,580; 418,205; 420,518

→ \_\_\_\_\_

15. 905,214; 950,124; 915,204; 905,241

→ \_\_\_\_\_

16. 328,610; 382,160; 380,216; 328,601

→ \_\_\_\_\_

17. 714,520; 741,250; 715,420; 740,215

→ \_\_\_\_\_

18. 625,410; 652,140; 620,451; 650,214

→ \_\_\_\_\_

19. 830,215; 803,251; 832,105; 820,315

→ \_\_\_\_\_

20. 975,410; 957,140; 975,104; 950,714

→ \_\_\_\_\_

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Worksheet 9: Rounding to the Nearest 10

1. 4,628 → \_\_\_\_\_

2. 7,351 → \_\_\_\_\_

3. 12,645 → \_\_\_\_\_

4. 25,713 → \_\_\_\_\_

5. 36,489 → \_\_\_\_\_

6. 48,652 → \_\_\_\_\_

7. 53,925 → \_\_\_\_\_

8. 64,381 → \_\_\_\_\_

9. 75,746 → \_\_\_\_\_

10. 89,994 → \_\_\_\_\_

11. 14,326 → \_\_\_\_\_

12. 27,845 → \_\_\_\_\_

13. 39,271 → \_\_\_\_\_

14. 46,935 → \_\_\_\_\_

15. 58,764 → \_\_\_\_\_

16. 63,418 → \_\_\_\_\_

17. 72,695 → \_\_\_\_\_

18. 81,253 → \_\_\_\_\_

19. 94,586 → \_\_\_\_\_

20. 99,975 → \_\_\_\_\_

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Worksheet 10: Rounding to the Nearest 100

1. 4,628 → \_\_\_\_\_

2. 7,351 → \_\_\_\_\_

3. 12,649 → \_\_\_\_\_

4. 25,713 → \_\_\_\_\_

5. 36,489 → \_\_\_\_\_

6. 48,652 → \_\_\_\_\_

7. 53,925 → \_\_\_\_\_

8. 64,381 → \_\_\_\_\_

9. 75,746 → \_\_\_\_\_

10. 89,994 → \_\_\_\_\_

11. 14,326 → \_\_\_\_\_

12. 27,845 → \_\_\_\_\_

13. 39,271 → \_\_\_\_\_

14. 46,935 → \_\_\_\_\_

15. 58,764 → \_\_\_\_\_

16. 63,418 → \_\_\_\_\_

17. 72,695 → \_\_\_\_\_

18. 81,253 → \_\_\_\_\_

19. 94,586 → \_\_\_\_\_

20. 99,975 → \_\_\_\_\_

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Worksheet 11: Rounding to the Nearest 1,000

1. 4,628 → \_\_\_\_\_

2. 7,351 → \_\_\_\_\_

3. 12,649 → \_\_\_\_\_

4. 25,713 → \_\_\_\_\_

5. 36,489 → \_\_\_\_\_

6. 48,652 → \_\_\_\_\_

7. 53,925 → \_\_\_\_\_

8. 64,381 → \_\_\_\_\_

9. 75,746 → \_\_\_\_\_

10. 89,994 → \_\_\_\_\_

11. 14,326 → \_\_\_\_\_

12. 27,845 → \_\_\_\_\_

13. 39,271 → \_\_\_\_\_

14. 46,935 → \_\_\_\_\_

15. 58,764 → \_\_\_\_\_

16. 63,418 → \_\_\_\_\_

17. 72,695 → \_\_\_\_\_

18. 81,253 → \_\_\_\_\_

19. 94,586 → \_\_\_\_\_

20. 99,975 → \_\_\_\_\_

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Worksheet 12: Mixed Place Value Practice

1. What is the value of 6 in 462,315? \_\_\_\_\_

2. What is the place of 8 in 381,245? \_\_\_\_\_

3. Write 507,216 in expanded form. \_\_\_\_\_

4. Write in standard form:  $600,000 + 20,000 + 4,000 + 300 + 50 + 7 =$  \_\_\_\_\_

5. Write 425,018 in word form. \_\_\_\_\_

6. 325,610 \_\_\_\_ 325,601

7. Round 46,782 to the nearest hundred. \_\_\_\_\_

8. Round 328,450 to the nearest thousand. \_\_\_\_\_

9. Arrange least to greatest: 45,210; 45,201; 54,120; 40,521

10. What is the value of 9 in 590,214? \_\_\_\_\_

11. Write 708,405 in expanded form. \_\_\_\_\_

12. 620,315 \_\_\_\_ 602,315

13. Round 75,649 to the nearest ten. \_\_\_\_\_

14. What digit is in the hundred-thousands place in 825,416? \_\_\_\_\_

15. Write in standard form:  $300,000 + 70,000 + 5,000 + 200 + 8 =$  \_\_\_\_\_

16. What is the value of 7 in 274,615? \_\_\_\_\_

17. Write 630,208 in expanded form. \_\_\_\_\_
18. 415,620 \_\_\_\_ 415,260
19. Round 583,472 to the nearest thousand. \_\_\_\_\_
20. Write 806,315 in word form. \_\_\_\_\_

## Place Value & Number Sense Short Discussion + Answer Key

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### Based on Worksheet 1

## Short Discussion

- 1. Place Value:** A digit's place tells its position in a number: ones, tens, hundreds, thousands, ten-thousands, hundred-thousands. The place name depends on the digit's position from the right.
- 2. Value of a Digit:** The value of a digit is the digit multiplied by the value of its place. For example, 6 in 64,000 has a value of 60,000.
- 3. Expanded Form:** Expanded form shows the value of each digit separately. For example,  $34,521 = 30,000 + 4,000 + 500 + 20 + 1$ .
- 4. Standard Form:** Standard form writes a number using digits. Add the place values in the expanded form and write the resulting number.
- 5. Word Form:** Word form writes a number in words. Read the number from left to right by periods such as thousands, while keeping place values clear.
- 6. Comparing Numbers:** Compare numbers from the greatest place value to the smallest. The first place where the digits differ determines which number is greater.

**7. Ordering Numbers:** To order numbers from least to greatest, start with the smallest number. For greatest to least, start with the largest number.

**8. Rounding:** To round to a place, look at the digit immediately to its right. If that digit is 5 or more, increase the rounding digit by 1; if it is 4 or less, keep it the same and change following digits to zeros.

## Worksheet 1: Identify the Place — Answer Key

1. ten-thousands
2. ones
3. hundred-thousands
4. tens
5. tens
6. thousands
7. ones
8. hundred-thousands
9. hundreds
10. tens
11. thousands
12. hundreds
13. hundred-thousands
14. hundred-thousands
15. thousands
16. thousands
17. hundred-thousands
18. thousands
19. tens
20. thousands

## Worksheet 2: Find the Value of the Digit — Answer Key

1. 5000
2. 7000
3. 800000
4. 300
5. 6000
6. 2000
7. 8000
8. 400000
9. 9000
10. 3000
11. 4000
12. 600
13. 900000
14. 30000
15. 4000
16. 5000
17. 60000
18. 7000
19. 300
20. 40000

## Worksheet 3: Expanded Form — Answer Key

1.  $30,000 + 4,000 + 500 + 20 + 1$
2.  $60,000 + 7,000 + 400 + 8$
3.  $100,000 + 20,000 + 5,000 + 300 + 6$
4.  $400,000 + 7,000 + 200 + 10 + 5$

5.  $800,000 + 30,000 + 600 + 4$
6.  $200,000 + 40,000 + 6,000 + 700 + 80 + 1$
7.  $500,000 + 1,000 + 300 + 20 + 9$
8.  $700,000 + 10,000 + 9,000 + 400 + 50$
9.  $900,000 + 8,000 + 200 + 10 + 6$
10.  $600,000 + 50,000 + 4,000 + 30 + 2$
11.  $300,000 + 80,000 + 2,000 + 600 + 10 + 5$
12.  $400,000 + 70,000 + 200 + 8$
13.  $900,000 + 10,000 + 5,000 + 300 + 20 + 4$
14.  $200,000 + 6,000 + 700 + 40 + 1$
15.  $700,000 + 30,000 + 8,000 + 500 + 9$
16.  $500,000 + 90,000 + 400 + 10 + 6$
17.  $800,000 + 20,000 + 1,000 + 700 + 3$
18.  $300,000 + 5,000 + 600 + 20 + 8$
19.  $900,000 + 60,000 + 4,000 + 100 + 50$
20.  $400,000 + 10,000 + 7,000 + 800 + 90 + 2$

## Worksheet 4: Standard Form — Answer Key

1. 45,326
2. 234,508
3. 607,241
4. 94,605
5. 328,762
6. 506,329
7. 742,805
8. 180,934
9. 405,076
10. 823,451
11. 250,637
12. 904,215
13. 637,820

14. 308,549
15. 725,306
16. 164,072
17. 590,804
18. 432,650
19. 807,423
20. 956,708

## Worksheet 5: Word Form — Answer Key

1. twenty four thousand three hundred fifteen
2. fifty six thousand four hundred eight
3. one hundred three thousand six hundred twenty five
4. two hundred seventy five thousand four hundred ten
5. four hundred thousand three hundred six
6. five hundred eighteen thousand seven hundred twenty nine
7. six hundred thirty thousand forty five
8. seven hundred four thousand two hundred eighteen
9. eight hundred twenty five thousand six hundred
10. nine hundred ninety nine thousand nine hundred ninety nine
11. one hundred forty five thousand three hundred twenty
12. two hundred eight thousand five hundred sixteen
13. three hundred fifty thousand seven hundred four
14. four hundred seventy two thousand eight hundred nineteen
15. five hundred six thousand two hundred thirty one
16. six hundred fourteen thousand five hundred eight
17. seven hundred twenty thousand three hundred sixty five
18. eight hundred three thousand four hundred twelve
19. nine hundred fifteen thousand twenty seven
20. six hundred eighty one thousand nine hundred forty

## Worksheet 6: Compare Numbers — Answer Key

1. >
2. <
3. =
4. <
5. >
6. >
7. >
8. <
9. =
10. >
11. <
12. >
13. <
14. <
15. =
16. >
17. >
18. >
19. <
20. >

## Worksheet 7: Least to Greatest — Answer Key

1. 21,999; 23,405; 23,450; 32,450
2. 40,215; 41,250; 45,210; 54,120
3. 105,260; 125,060; 125,600; 152,600
4. 306,241; 306,421; 316,402; 360,214

5. 702,510; 720,501; 725,100; 752,010
6. 42,815; 48,251; 84,125; 84,215
7. 201,560; 205,160; 215,600; 251,060
8. 403,125; 420,315; 430,215; 432,015
9. 508,214; 518,204; 518,240; 581,420
10. 650,731; 657,301; 675,130; 675,310
11. 300,542; 304,521; 305,421; 340,251
12. 705,216; 725,160; 725,610; 752,610
13. 19,420; 90,412; 91,240; 91,420
14. 401,825; 408,215; 418,205; 480,125
15. 600,421; 602,140; 602,410; 620,401
16. 305,712; 315,207; 315,720; 351,270
17. 704,251; 740,125; 740,215; 742,015
18. 802,431; 820,341; 823,410; 832,140
19. 509,216; 509,261; 519,206; 590,126
20. 650,721; 657,412; 675,214; 675,421

## Worksheet 8: Greatest to Least — Answer Key

1. 64,320; 64,302; 63,420; 46,230
2. 251,040; 250,410; 215,400; 205,140
3. 580,126; 518,026; 508,621; 508,216
4. 725,040; 720,450; 705,240; 702,540
5. 915,020; 910,205; 905,120; 901,250
6. 85,240; 84,520; 84,250; 82,450
7. 351,060; 350,160; 315,600; 305,610
8. 452,180; 450,218; 425,810; 420,518
9. 621,450; 612,405; 612,045; 602,415
10. 753,120; 750,321; 735,210; 735,201
11. 840,125; 814,205; 804,215; 801,425
12. 562,140; 560,214; 526,410; 526,401

13. 695,310; 690,351; 690,315; 609,351
14. 421,580; 420,518; 418,205; 412,850
15. 950,124; 915,204; 905,241; 905,214
16. 382,160; 380,216; 328,610; 328,601
17. 741,250; 740,215; 715,420; 714,520
18. 652,140; 650,214; 625,410; 620,451
19. 832,105; 830,215; 820,315; 803,251
20. 975,410; 975,104; 957,140; 950,714

## Worksheet 9: Nearest 10 — Answer Key

1. 4,630
2. 7,350
3. 12,650
4. 25,710
5. 36,490
6. 48,650
7. 53,930
8. 64,380
9. 75,750
10. 89,990
11. 14,330
12. 27,850
13. 39,270
14. 46,940
15. 58,760
16. 63,420
17. 72,700
18. 81,250
19. 94,590
20. 99,980

## **Worksheet 10: Nearest 100 — Answer Key**

1. 4,600
2. 7,400
3. 12,600
4. 25,700
5. 36,500
6. 48,700
7. 53,900
8. 64,400
9. 75,700
10. 90,000
11. 14,300
12. 27,800
13. 39,300
14. 46,900
15. 58,800
16. 63,400
17. 72,700
18. 81,300
19. 94,600
20. 100,000

## **Worksheet 11: Nearest 1,000 — Answer Key**

1. 5,000
2. 7,000
3. 13,000
4. 26,000
5. 36,000
6. 49,000
7. 54,000

8. 64,000
9. 76,000
10. 90,000
11. 14,000
12. 28,000
13. 39,000
14. 47,000
15. 59,000
16. 63,000
17. 73,000
18. 81,000
19. 95,000
20. 100,000

## Worksheet 12: Mixed Place Value Practice — Answer Key

1. 60,000
2. thousands
3.  $500,000 + 7,000 + 200 + 10 + 6$
4. 624,357
5. four hundred twenty-five thousand eighteen
6.  $>$
7. 46,800
8. 328,000
9. 40,521; 45,201; 45,210; 54,120
10. 90,000
11.  $700,000 + 8,000 + 400 + 5$
12.  $>$
13. 75,650
14. 8
15. 375,208

16. 70,000

17.  $600,000 + 30,000 + 200 + 8$

18.  $>$

19. 583,000

20. eight hundred six thousand three hundred fifteen

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