Homework and Practice

Name _____

1.1 Numbers Through Thousands

1. Shawna packs blocks at the ABC Blocks factory. She packs thousands in crates and tens in stacks. How can she pack an order for 1,250 blocks using just crates and stacks?

2. The block factory has boxes to pack groups of one hundred blocks. If Maks has an order for 2,340 blocks, how can he pack them using the fewest packages?

3. Jordy works at the block factory. He has an order to pack 3,280 blocks. How can he pack the blocks using the fewest packages?

4. Hakeem has an order for 4,180 blocks to pack, but he has run out of crates to pack the thousands. How can Hakeem pack the blocks?

5. Suppose the block factory has only crates and stacks. How can it pack an order for 4,270 blocks?

6. Suppose the block factory has only boxes and stacks. How can it pack an order for 3,630 blocks?

Problem Solving Real World

7. Zack works at the block factory. He needs to pack an order for 1,060 blocks. He only has stacks left to pack with. How many stacks will Zach need?
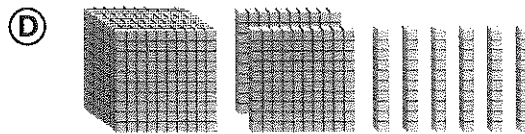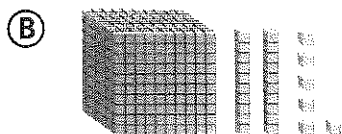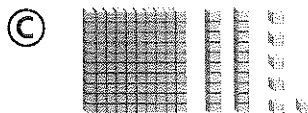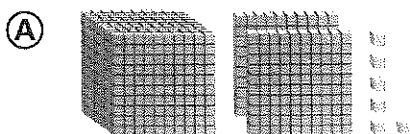
8. Lauren packs an order of blocks in 2 crates and 7 stacks. How many blocks does Lauren pack?
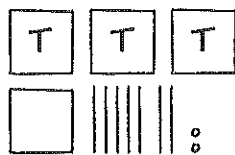
Fill in the bubble completely to show your answer.

9. Charlene works at a button factory. She packs buttons in boxes of 100. How many boxes will Charlene need to pack 1,500 buttons?

(A) 150

(B) 15

(C) 5

(D) 1,500

10. A factory fills 10 cups of yogurt every second. How many seconds will it take for the factory to fill 1,800 cups of yogurt?

(A) 18 seconds

(B) 8 seconds

(C) 180 seconds

(D) 1,800 seconds

11. Darius has 1,026 baseball cards. He wants to use blocks to show the number of thousands, hundreds, tens, and ones. Which shows what Darius can model?

(A)

(C)

(B)

(D)

12. Soo-Lin draws this picture to show the number of pennies she has saved.

How many pennies does Soo-Lin have?

(A) 317

(B) 3,170

(C) 3,017

(D) 3,172

13. **Multi-Step** Dennis makes a tile table. He uses 2 boxes of 1,000 red tiles, some boxes of 100 blues tiles, and 8 boxes of 10 green tiles. He uses 3,380 tiles in all. How many boxes of blue tiles does Dennis use?

(A) 13

(B) 30

(C) 130

(D) 300

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1.2 Read and Write Numbers Through Ten Thousands

Write the number in standard form.

1. 4,000 + 300 + 20 + 9

2. 60,000 + 4,000 + 300 + 7

3. eight thousand, five hundred ninety-nine

4. thirty-seven thousand, six hundred twenty-eight

Unscramble the place values. Write three forms of the number.

5. 3 tens + 7 thousands + 5 ten thousands + 2 ones + 6 hundreds

6. 9 hundreds + 4 ten thousands + 8 ones + 7 tens

Problem Solving (Real World)

7. A craft store has boxes of colored beads. There are 2 boxes of ten thousand blue beads, 7 boxes of one hundred green beads, and 5 boxes of one thousand red beads. How many beads does the craft store have?

8. Nia has number cards for 2, 3, 8, 9, and 5. What are all the different ways Nia can arrange the cards to show only even numbers with the 2 in the ten-thousands place?

9. An airplane travels a total of thirty-five thousand, seven hundred three miles in one month. What is the number of miles the airplane travels in standard form?

   Ⓐ 35,703

   Ⓑ 3,573

   Ⓒ 35,730

   Ⓓ 35,073

10. The Marshall family drives 3,408 miles across the country. Which shows the expanded form of how far the Marshall family drives?

    Ⓐ 3,000 + 40 + 8

    Ⓑ 300 + 40 + 8

    Ⓒ 3,000 + 400 + 8

    Ⓓ 3,000 + 400 + 80

11. Rory uses numeral cards to make this number:

    5 1 , 3 0 9

    What is the value of the digit 3?

    Ⓐ 3,000

    Ⓑ 30,000

    Ⓒ 30

    Ⓓ 300

12. Janeen writes these place values on four cards.

7 tens	4 hundreds
3 ones	8 ten thousands

    What number is shown on the cards?

    Ⓐ 70,438   Ⓒ 80,473
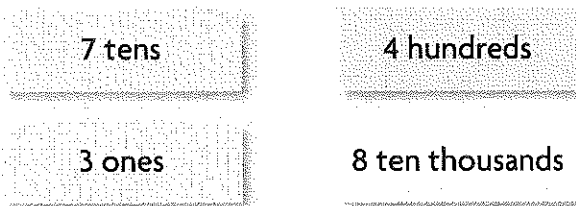
    Ⓑ 73,480   Ⓓ 8,473

13. **Multi-Step** A crayon factory makes 20,487 crayons on Monday, 24,087 crayons on Tuesday, and 24,807 crayons on Wednesday. Which is equal to the number of crayons made on Tuesday?

    Ⓐ 20,000 + 400 + 80 + 7

    Ⓑ 24,000 + 800 + 70

    Ⓒ 20,000 + 4,000 + 80 + 7

    Ⓓ 2,000 + 400 + 80 + 7

14. **Multi-Step** The crayon factory has boxes of 5 thousands, 6 hundreds and 3 tens. If the crayon factory adds a box of 1 ten thousand crayons, how many crayons does it have now?

    Ⓐ 5,631

    Ⓑ 1,563

    Ⓒ 15,630

    Ⓓ 10,563

Name _____

1.3 Numbers Through Hundred Thousands

Use the table for 1–3.

1. How many ten thousands of red crayons were made?

Crayons Made at the Factory	
Color	**Number of Crayons**
Red	420,189
Purple	148,305
Blue	327,412

2. How many hundreds of purple crayons were made?

3. How many thousands of blue crayons were made?

4. Unscramble the place values. Write the number in standard form. 4 hundreds + 5 tens + 7 ten thousands + 9 ones + 3 thousands + 1 hundred thousand.

5. Unscramble the place values. Write the number in standard form. 3 thousands + 4 ones + 8 hundred thousands + 7 hundreds + 5 ten thousands.

Problem Solving (Real World)

6. Last year, a sticker factory made a total of 528,390 booklets of stickers. How many hundreds of booklets of stickers were made?

7. A trucking company shipped a total of 151,375 boxes of fruit across the county. How many thousands of boxes of fruit were shipped?

8. Deanna plays a video game and scores 73,492 points. Which digit is in the ten thousands place of her score?

Ⓐ 3

Ⓑ 4

Ⓒ 7

Ⓓ 9

9. A newspaper company prints 15,980 copies in one day. Which digit is in the hundreds place?

Ⓐ 8

Ⓑ 9

Ⓒ 5

Ⓓ 1

10. In one day, 125,683 people fly in and out of an airport in Texas. How many thousands of people fly in and out that day?

Ⓐ 5,000

Ⓑ 5,683

Ⓒ 25

Ⓓ 125

11. In one week, 215,328 people visit the Grand Canyon. How many hundreds of people visit the canyon that week?

Ⓐ 300

Ⓑ 53

Ⓒ 2,153

Ⓓ 528

12. **Multi-Step** A marble factory makes single marbles, then puts them in boxes of 10, cartons of 100, and crates of 1,000. How can the marble factory package 21,650 marbles?

Ⓐ 2 crates, 16 cartons, 50 boxes

Ⓑ 21 crates, 60 cartons, 5 boxes

Ⓒ 21 crates, 6 cartons, 5 boxes

Ⓓ 2 crates, 10 cartons, 65 boxes

13. **Multi-Step** A company makes baseball cards in packs of 10, boxes of 100, and cases of 1,000. A store orders a total of 15,470 cards. How can the company fill the order in the exact amount?

Ⓐ 1 case, 5 boxes, 47 packs

Ⓑ 1 case, 54 boxes, 7packs

Ⓒ 15 cases, 40 boxes, 7 packs

Ⓓ 15 cases, 4 boxes, 7 packs

Name _____

1.4 Numbers Through Ten Thousands on a Number Line

Round to the nearest thousand.

1. 3,489

2. 5,890

3. 1,045

4. 6,589

Round to the nearest ten thousand.

5. 15,677

6. 30,944

7. 87,142

8. 62,763

9. Round 47,125 to the nearest ten, to the nearest hundred, to the nearest thousand, and to the nearest ten thousand.

10. Round 63,849 to the nearest ten, to the nearest hundred, to the nearest thousand, and to the nearest ten thousand.
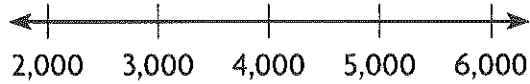
Problem Solving Real World

11. Gina has 237 baseball cards. Ross has 418 baseball cards. Jaquel has 387 baseball cards. Which two children have about 400 baseball cards?

12. A bookstore sells 617 books on Monday, 498 books on Tuesday, and 563 books on Wednesday. On which two days did the bookstore sell about 600 books?

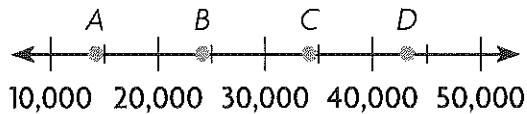13 A ranch has 3,475 cattle. Between which two thousands is this number?

```
<--+----+----+----+----+-->
  2,000 3,000 4,000 5,000 6,000
```

Ⓐ 2,000 and 3,000

Ⓑ 4,000 and 5,000

Ⓒ 3,000 and 4,000

Ⓓ 5,000 and 6,000

14 Meg has saved 645 pennies. Between which two hundreds is 645?

```
<--+----+----+----+----+-->
   400   500   600   700   800
```

Ⓐ 600 and 700

Ⓑ 700 and 800

Ⓒ 400 and 500

Ⓓ 500 and 600

15 An orchard produces 34,198 oranges. Which point on the number line shows this number?

```
       A    B    C    D
<--+--•-+--•-+--•-+--•-+-->
 10,000 20,000 30,000 40,000 50,000
```

Ⓐ point A

Ⓑ point B

Ⓒ point C

Ⓓ point D

16 An airplane travels 6,779 miles. Which point on the number line shows this number?

```
         A     B    C D
<--+--+--•-+--+-•-+--•-•-+-->
 5,000  6,000  7,000  8,000
```
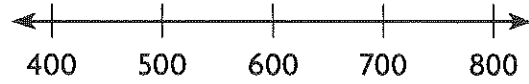
Ⓐ point A

Ⓑ point B

Ⓒ point C

Ⓓ point D

17. **Multi-Step** At the early movie show, there are 316 people. At the late show, there are 278 people. Which number is closest to the number of people at each show?
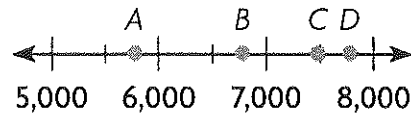
Ⓐ 400

Ⓒ 100

Ⓑ 200

Ⓓ 300

18. **Multi-Step** In May a store sells 4,178 cartons of milk. In June the store sells 3,816 cartons of milk. Which number is closest to the number of cartons sold each month?

Ⓐ 5,000

Ⓒ 3,000

Ⓑ 2,000

Ⓓ 4,000

Homework and Practice

Name _____

1.5 Compare and Order Numbers

Compare the numbers. Write <, >, or = in the $\bigcirc$.

1. 467 $\bigcirc$ 381

2. 4,167 $\bigcirc$ 4,590

3. 718 $\bigcirc$ 7,180

4. 1,970 $\bigcirc$ 1,970

5. 2,398 $\bigcirc$ 736

6. 5,067 $\bigcirc$ 567

Write <, >, or = in the $\bigcirc$.

7. 592 $\bigcirc$ 500 + 80 + 7

8. 3,724 $\bigcirc$ 3,000 + 800 + 30 + 9

9. There are 29,148 people at the baseball game on Saturday. On Sunday, 25,974 people are at the game. Compare the number of people at each game.

10. A great white shark weighs 5,038 pounds. A blue fin tuna weighs 1,759 pounds. Compare the weight of the fish.
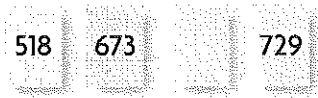
Problem Solving Real World

11. Four students play a video game. Luke scores 5,789 points, Janell scores 3,980 points, Rashid scores 5,067 points, and Dara scores 4,690 points. Who scores the most points?

12. A car company makes 5,689 red cars, 3,607 blue cars, 5,968 black cars, and 3,706 white cars. Which color is the least number of cars?

Fill in the bubble completely to show your answer.
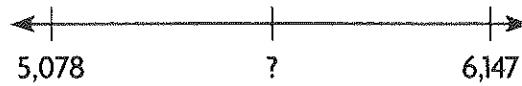
13. Martine puts number cards in the order shown below.

| 518 | 673 | | 729 |

Which number can Martine put on the empty card?

Ⓐ 659

Ⓑ 821

Ⓒ 722

Ⓓ 584

14. Daryl writes these numbers on a number line.

5,078   ?   6,147

Which number can Daryl write to fill in the blank?

Ⓐ 5,780

Ⓑ 5,049

Ⓒ 6,417

Ⓓ 6,704

15. At the state fair, visitors bought 3,671 vanilla yogurts, 4,032 blueberry yogurts, and 2,978 strawberry yogurts. Which show the flavors in order from least to greatest?

Ⓐ vanilla, blueberry, strawberry

Ⓑ strawberry, vanilla, blueberry

Ⓒ vanilla, strawberry, blueberry

Ⓓ blueberry, strawberry, vanilla

16. An airplane travels 45,890 miles. The next week it travels 37,604 miles. The following week it travels 40,098 miles. Which shows the miles in order from greatest to least?

Ⓐ 40,098; 37,604; 45,890

Ⓑ 45,890; 37,604; 40,098

Ⓒ 37,604; 40,098; 45,890

Ⓓ 45,890; 40,098; 37,604

17. **Multi-Step** Marco has 342 photos in an album. Rosa has 297 photos. Hideki has more photos than both Marco and Rosa. Which shows how many photos Hideki could have?

Ⓐ 189   Ⓒ 287

Ⓑ 382   Ⓓ 314

18. **Multi-Step** A company ships 35,809 pears and 21,790 plums. It also ships more apples than plums, but fewer apples than pears. Which shows how many apples could have been shipped?

Ⓐ 35,908   Ⓒ 34,118

Ⓑ 21,097   Ⓓ 40,055