

NAME _____

DATE _____

Countdown: 12 Weeks

SCORE _____

1. A woodworker is building 5 tables. He wants to figure out how many feet of wood each table can have. He has 603 feet of board. The woodworker will check his work. Write the numbers 1-3 next to the correct three steps below to show the order in which the woodworker should perform them. 4, NBT.6

THINK SMART FOR SPAC
On the actual test, you may be asked to drag the steps into order. In this book, you will instead number the steps using a pencil.

- _____ Add 2 to 601.
- _____ Add 3 to 120.
- _____ Divide 120 by 5.
- 1 _____ Divide 603 by 5.
- _____ Multiply 121 by 5.
- 2 _____ Multiply 120 by 5.
- 3 _____ Add 3 to 600.
- _____ Subtract 3 from 600.

2. A florist orders 820 roses for a reception. Four of the roses were too damaged to use. The rest of the roses will go into vases holding 8 roses each. 4, NBT.6, 4, OA.3

Part A: Write an equation that can be used to find v , the number of vases that the florist will need.

$816 \div 8 = v$

Part B: Think about the numbers in the division problem. Explain how you can solve the problem using place value and mental math. Then state the answer.

Sample answer: I have 8 hundreds, and 16 extra. If I divide each by 8, I get 1 hundred, and 2 extra. So, there will be 102 vases.

3. A grocer is ordering juice containers that come in packages that have 7 bottles. The grocer starts writing out multiples of 7 in order to place a juice order. Select all correct statements. 4, OA.5

- All of the numbers on the list are odd.
- The first ten multiples will contain every possible digit in the one's place before they start repeating.
- The sum of the digits in each number in the list is divisible by 7.
- Each number in the list is divisible by 7.
- Each number in the list is divisible by 14.

4. Xavier practices 10 free throws on Monday, 20 on Tuesday, 40 on Wednesday, and 80 on Thursday. 4, OA.5

Part A: Describe the pattern.

Sample answer: The next day can be determined by multiplying the previous day by 2.

Part B: Describe why this pattern is not reasonable for Xavier to continue by looking at the next three days.

Sample answer: If the pattern continues, then Xavier will shoot 160 on Friday, 320 on Saturday, and 640 on Sunday. The number increases very rapidly, and Xavier will not have the time to shoot all of the free throws.

Term	Number
First	20
Second	80
Third	320
Fourth	1,280
Fifth	