

AN INTRODUCTION TO DIVISIBILITY (APPLICATION WORK)

- a) Sam collected 156 cans for an Art project. Kim also collected a few more cans. Together the total number of cans represents a number that is not divisible by 2. Which of the following represents the number of cans they collected together?

- 236
- 254
- 289
- 278

- b) Mr. Markson sells tickets for film festivals. The table below shows the number of tickets he sold for 2 days last month. Which of the following statements is true?

DAYS	NO. OF TICKETS SOLD
Monday	396
Tuesday	169

- The number of tickets sold on Tuesday is divisible by 13
 - The number of tickets sold on Monday is divisible by 3, 6, and 9
- c) Flynn is arranging some photographs for his family book. He needs to put the same number of photographs in each row with no photographs left over. If he has 288 photographs to arrange, how many photographs can he place in each row? Is it 5, 9, or 10?
- d) Jane is playing with blocks. She wants to put all 49 of her blocks into stacks with the same number of blocks in each stack. How many blocks could she put in each stack?

- 10
- 8
- 7
- 6

e) Mark the number in the set below which shows the divisibility by 4.

- 943
- 122
- 736
- 349

f) TRUE OR FALSE:

- If we get 0 as the remainder when dividing a number by 19, then that number is considered divisible by 19.
- According to the divisibility rule of 13, first, we have to multiply the ones place digit by 4.
- Every odd number is divisible by 2.
- Divisibility rules help us to find the factors and multiples of numbers without performing long division.
- 1603 is not divisible by 7.