

"dividend"

7. 4)92

Solve the following applications.

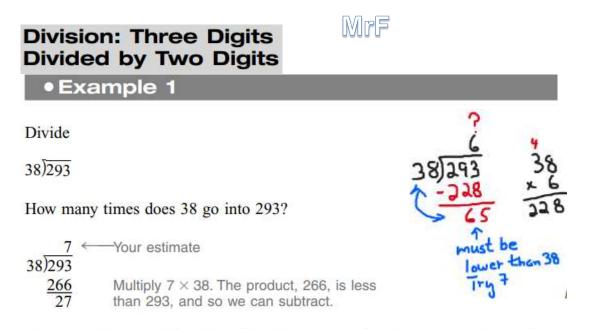
- 13. Recreation. Joaquin is putting pictures in an album. He can fit 8 pictures on each page. If he has 72 pictures, pages will he fill?
- 14. Counting. Kathy is separating a deck of 42 cards into 6 equal piles. How many piles will she have?

(advanced) Decimal Dividing. Keep going till you get to zero remainder. The 'dividend' (result) is a whole number and a decimal portion.

15. 
$$54 \div 4=$$
  
16.  $37 \div 4=$   
16.  $37 \div 4=$   
17.  $66 \div 5 =$   
18.  $142.5 \div 5$ 

18. 142.5 ÷ 5 =





The remainder, 27, is less than the divisor, 38, and so the process is complete.

 $293 \div 38 = 7 r 27$ 

Check:  $293 = 38 \times 7 + 27$  You should verify that this statement is true.

Whole number divide (show any remainder portion, not decimal amount)

2. 39)821

3. 63)429

## 4. 49)379

5. Mandy is having a birthday party for her daughter. There are 8 children total and 26 cupcakes to share (equally).

- A) How many whole cupcakes does each child get?
- B) How many cup cakes are left over for Mandy?

C) If a child can get a decimal fraction portion of a cupcake, how much cupcake would each child get?

## **ANSWERS**

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1) 17	2) 8	3) 12	4) 21	5) 14	6) 29	7) 23
8) 14	9) 7	13) 9	14) 7			
15) 13.	5 16)	9.25	17) 13.2	2 18)	28.5	

## Part 2

Part 1

5 remainder 55 2) 21 r2 3) 6 r51 4) 7 r36 1) Notice how the remainder must be less than the divisor. Don't forget to check by multiplying and then adding the remainder

5) A) each child gets three whole cupcakes, B) there are two left over (remaining) for Mandy to eat! C) Each child would get 8.25 cupcakes if they were allowed decimal fraction portions. (also known as 8 ¼ if using proper fractions)