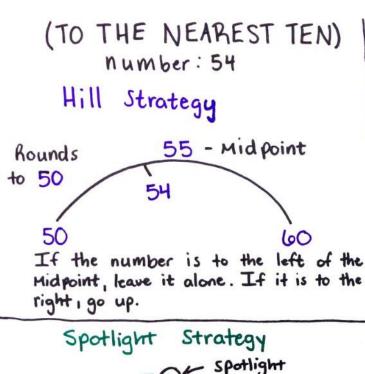
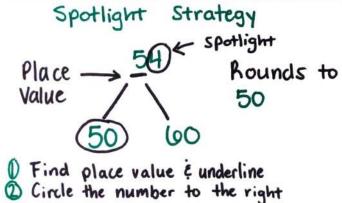


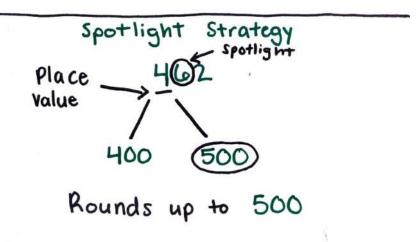
ROUNDING TO NEAREST 10 AND 100



(TO THE NEAREST HUNDRED)
number: 462
Hill Strategy
Rounds to 450
500



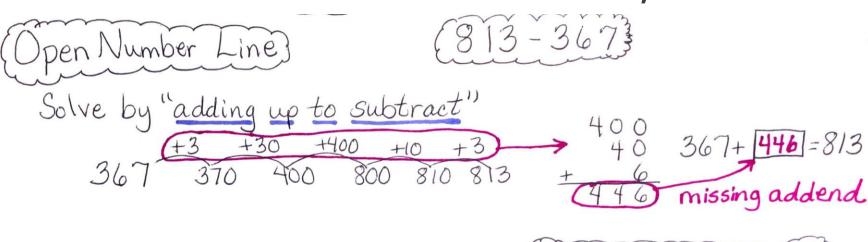
If number is 4 or less, leave it alone. If 5 or higher, 90 up.



ADDITION WITHIN 1,000

```
equation: 328 + 297 =
     Expanded Form:
                                          Place Value:
addends
             300 + 20 + 8
                                                           addends
              200 + 90 + 7
                                                     H (Hundreds)
             500
                                                     T (Tens)
                                                     O(ones)
                                                         - SUM
         addends Open Number Line:
                                                      Add the jumps:
       Start with
                          try to get to (5 or 10) 50 + 20 + 20 = 90 / 5 + 2 = 7 + 20 / + 20 / + 50 / + 100 / + 20 / +5 /
     the bigger addend
                                  jump
                                                                     SUM
```

SUBTRACTION WITHIN 1,000



$$446$$
 450 500 800 813
813-367= 446 \(difference

(Add up to subtract")
$$367 + 3 = 370$$

$$370 + 30 = 400$$

$$400 + 400 = 800$$

$$800 + 10 = 810$$

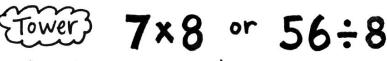
$$810 + 3 = 813$$

Expanded Form.

$$813 = 888 + 48 + 13$$
 $-367 = 300 + 60 + 7$
 $446 = 400 + 40 + 6$

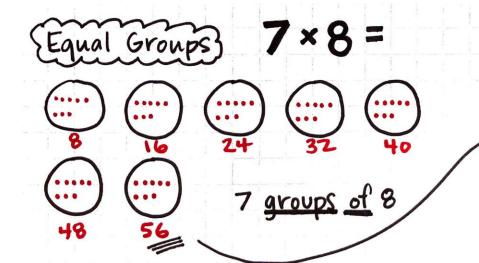
Get friendly, 2 Stay friendly, 2 then the leftovers

MULTIPLICATION



×	••••
1	8
2	16
3	24
4	32
5	40
6	48
7	56

Shortcut for larger factors... find a friendly fact you know



The total number inside each group is the product

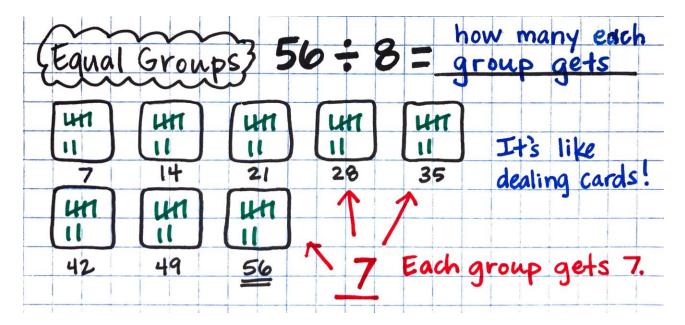
The product of 7×8 is 56.

7×8 or 56÷8

×	• • • •
-	8
2	16
3	24
4	32
5	40
6	48
7	56

Shortcut for larger factors... find a friendly fact you know

DIVISION

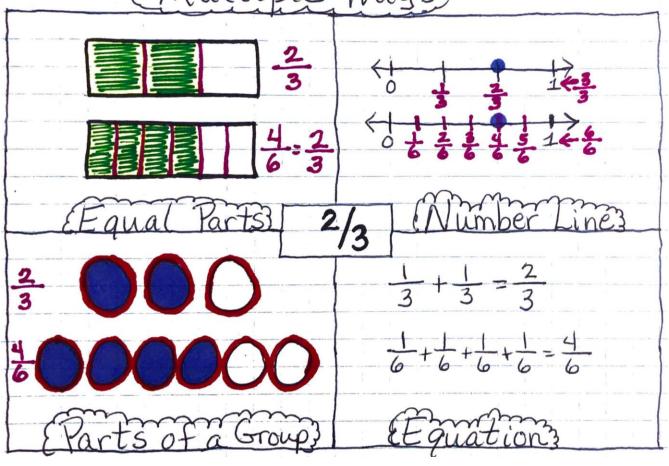


Dividend: < 56 ÷ 8 -> Divisor: amount to be subtracted repeatedly

Total amount

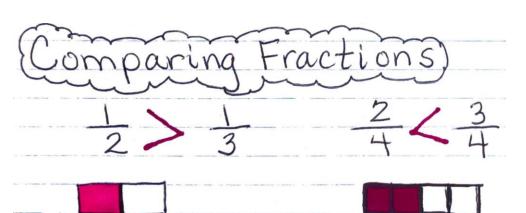
Your quotient will be the number of times you = 7 subtracted 8 from 56 to reach 0. 56 : 8 = 7

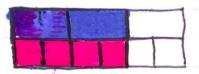
Réprésenting à Fraction In Multiple Ways



2 ← numerator 3 ← denominator

FRACTIONS





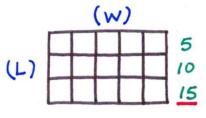
Formula:

Area = The number of square units that covers a shape or figure.

Square Unit = A unit of measurement that determines the area of a figure (14 squared feet or 14 ft²)

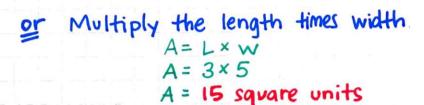
Tiling = When you fit individual tiles together with no gaps of overlaps to fill a space

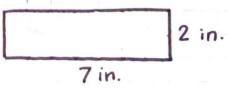
AREA



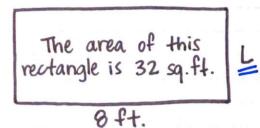
Count the boxes/units!

Area = 15 square units





 $A = L \times W$ $A = 2 \times 7$ $A = 14 \text{ in.}^2$

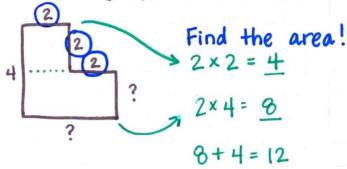


Solve for L!

$$A = L \times W$$
 or $A \div W = L$
 $32 = L \times 8$
 $32 \div 8 = L$
 $32 \div 8 = L$

The length (L) is 4 ft.

Notice the L is NOT squared.

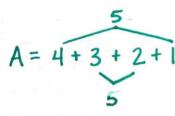


A = 12 u2



Tiling!

Add up all of the tiles.



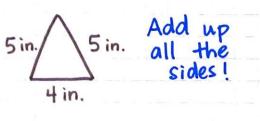
A = 10 units squared

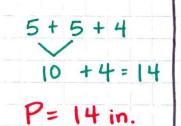
PERIMETER

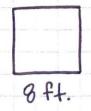
Perimeter = The sum of the lengths of the sides of a shape.

Perimeter =

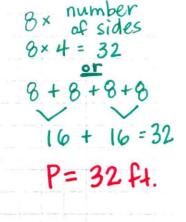
L + W + L + W

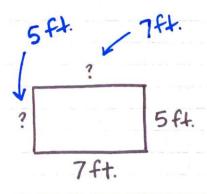






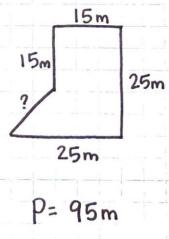
If an object is a square, all sides are known because all sides are equal.





Congruent sides are equal. Therefore, All sides are Known in this example.

$$5+7+5+7$$
 $10+14=24$
 $P=24f+$



sides and then
Subtract from total
perimeter to find
the unknown side. 15+15+25+25 30+50=80 95-80=15

80+ 15 = 95

Add the known

ELAPSED TIME

Missing end time
7:15 4h 15M?

Missing duration
12:23 ? 6:51

Missing Start time 2 h 6 m 3:25

Mountains, Hills, Pebbles

D=4h 15m

10m 5m

1

5tart=12:23 22 M 12:45

6:45 6M 0:51 End

6:45

T-Chart

Start | Hour Min

1:19 3:25 - 2h

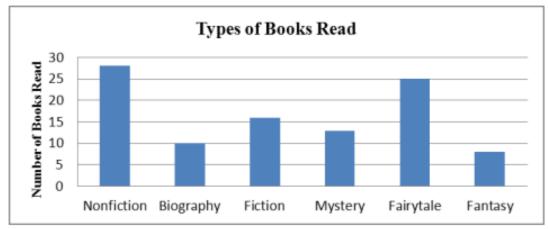
End 1:25 - 5M

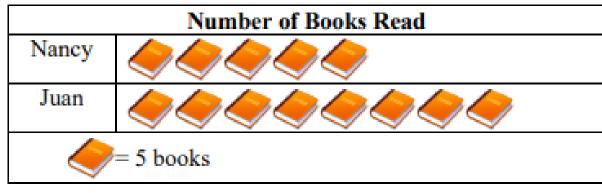
3:25 | 1:20 -1 M

1:19

D= -2h 6M

GRAPHS



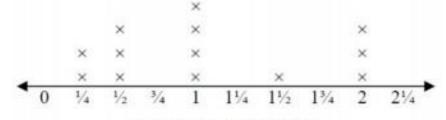


Bar graph
A Graph drawn using rectangular bars to show
how large each value is

Objects on My Desk

Pictograph
A type of graph that uses symbols and pictures to represent data

Scale = A series of numbers placed at fixed, or equal, distances.



Measurements in Inches

Line Plot
Line plots who data on a number line
with an x or other marks to show
frequency

A key is used to identify the number of categories present n a graph. It is also called a legend.

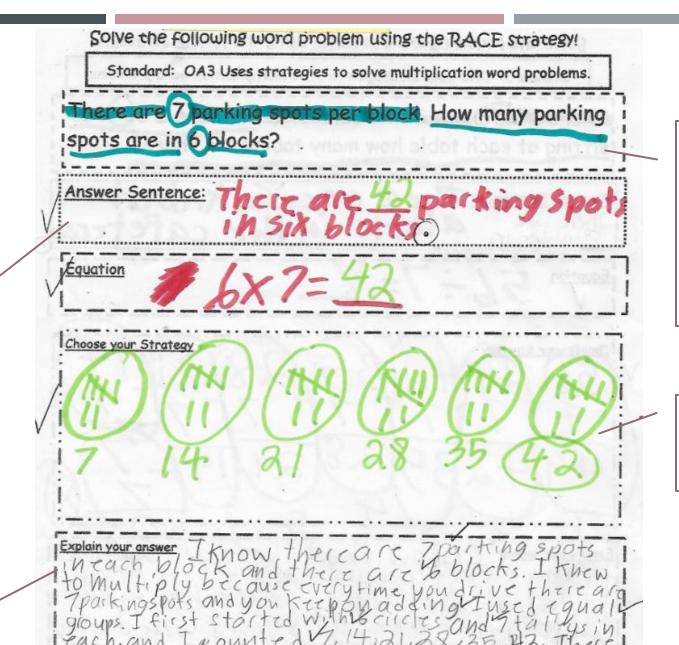
WORD PROBLEMS (RACE)

Answer Sentence

- Write an equation (numbers)
- Restate question (words)

Explain your answer

- What I know (facts & operation) (R)
- What I did (strategy)
 (C)
- What I found (answer question & summarize
 (A)



Read the Problem

- Circle important info
- Underline the question
- Eliminate extraneous info

Choose a Strategy

Show all of your work