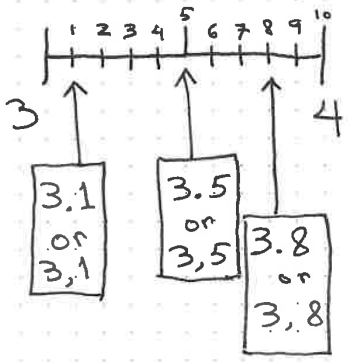
Lesson 1

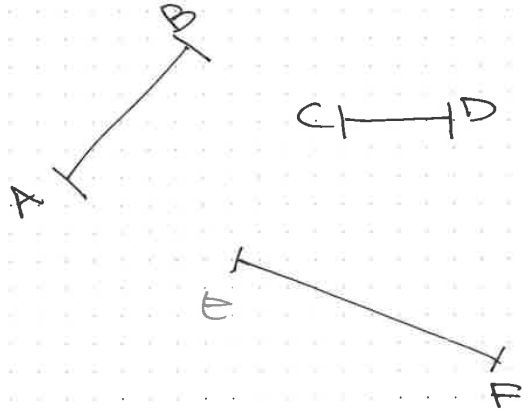
* Decimals



* Label:

Point A : 0.3
Point B : 1.1
Point C : 1.9
Point D : 0.7
Point E : 2.3
Point F : 1.5

* Measure in cm and inches :



	cm	inches
AB :		
CD :		
EF :		

* Use ruler above to do additions:

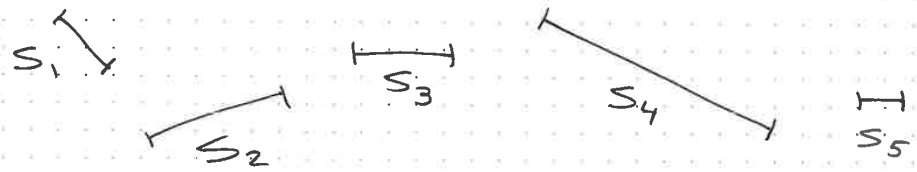
0.3 + 0.7 =

0.2 + 1.2 =

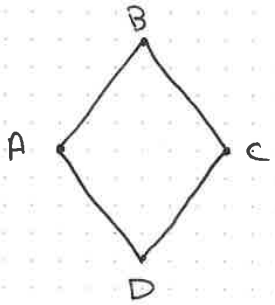
0.5 + 1.5 =

now add in the usual way, aligning the periods

* Arrange from shortest to longest



* Losange : four sides with equal length



Verify

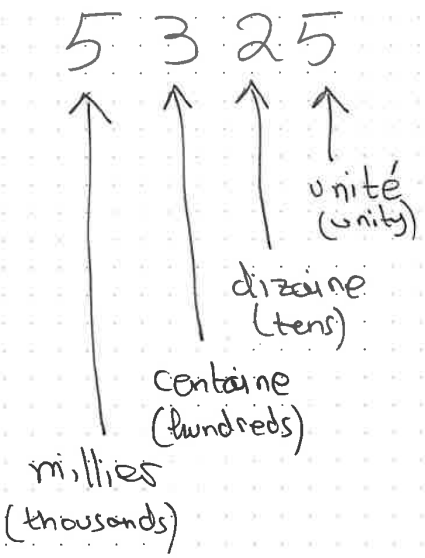
complete to make a losange

* Draw AB segment (7 cm)
  Draw BC segment (5 cm)

* What is the shortest length for AC ?

* What is the longest length for AC ?

* Numbers



Write u, d, c, or m (or u, t, h, th)

3̲78 : c
38̲900 :
1702̲ :
19̲34 :
32̲7 :
458̲50 :
6̲301 :
13̲9 :
41̲22 :
21̲345 :

* Find the largest

732 or 800 : 800 < 732
494 or 509 :
903 or 899 :
547 or 509 :
1036 or 1100 :
23786 or 23867 :
44204 or 42444 :
103500 or 15350 :
10712 or 9897 :

* Add in base 2, 3, 4 : for example, 00, 01, 10, 11, 100, ...

Exercise

✱ Memorize:

$2\times0=0$	$3\times0=0$
$2\times1=2$	$3\times1=3$
$2\times2=4$	$3\times2=6$
$2\times3=6$	$3\times3=9$
$2\times4=8$	$3\times4=12$
$2\times5=10$	$3\times5=15$
$2\times6=12$	$3\times6=18$
$2\times7=14$	$3\times7=21$
$2\times8=16$	$3\times8=24$
$2\times9=18$	$3\times9=27$
$2\times10=20$	$3\times10=30$

✱ Fill in the blanks:

$\square\times3=0$

$3\times\square=27$

$2\times\square=2$

$3\times\square=15$

$2\times\square=18$

$\square\times3=3$

$\square\times3=30$

$2\times\square=12$

$3\times\square=21$

$2\times\square=10$

$3\times\square=24$

$2\times\square=4$

$3\times\square=9$

$2\times\square=8$

$2\times\square=16$

$3\times\square=6$

$2\times\square=14$

$3\times\square=12$

$3\times\square=18$

Example:

$85 < 620$ (less than) $\quad 795 > 78$ (greater than) $\quad 383 = 383$ (equal)

* Write <, >, or = in between the numbers

389 ⌴ 951

872 ⌴ 238

905 ⌴ 950

564 ⌴ 645

876 ⌴ 799

945 ⌴ 982

943 ⌴ 941

* Write any number that fits:

$358 < \underset{\text{for example: } 400}{?} < 420$

$580 > \_\_ > 400$

$7190 > \_\_ > 7099$

$890 > \_\_ > 699$

$807 > \_\_ > 709$

$8426 > \_\_ > 8412$

* Using only the numbers 3, 4, 6, and 7

- Write the largest and smallest possible number with 4 digits, using each exactly once (for example: 4637)
- Write the largest and smallest possible number with 3 digits, using each once at most.

largest

smallest

largest

smallest