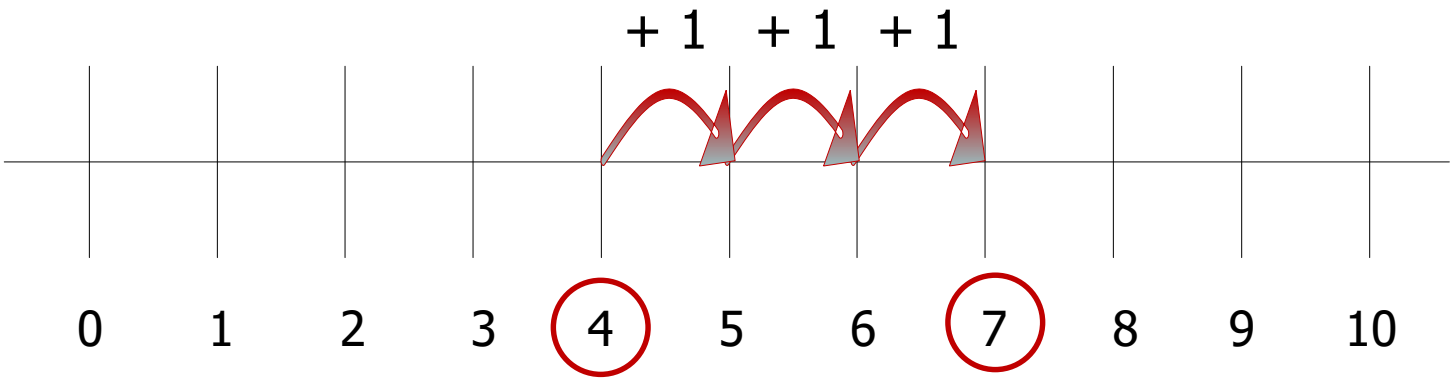
Pegasus Calculation Policy for addition

Year 1 addition

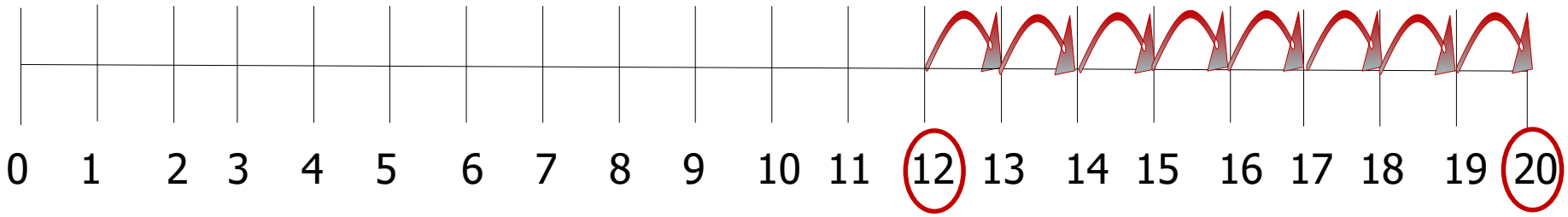
Number Lines: O + O

$$4 + 3 = 7$$



Number Lines: TO + O

$$12 + 8 = 20$$

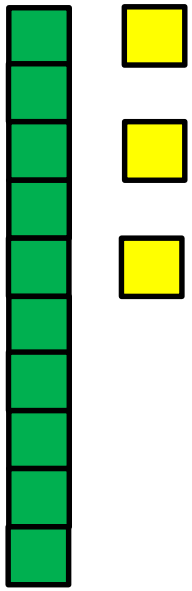


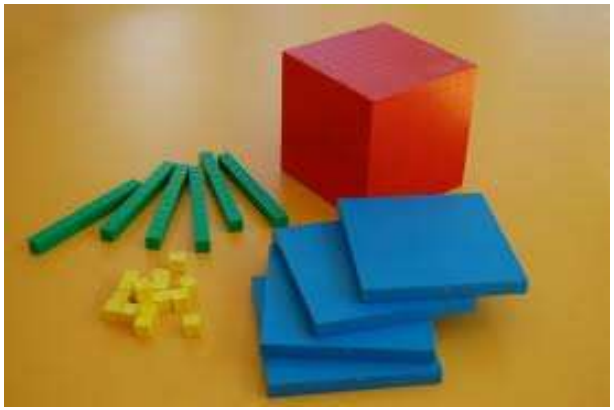
Year 2 addition

Partitioning

T U
1 3

Partition number into tens and units





Supported with Dienes

= 10 + 3

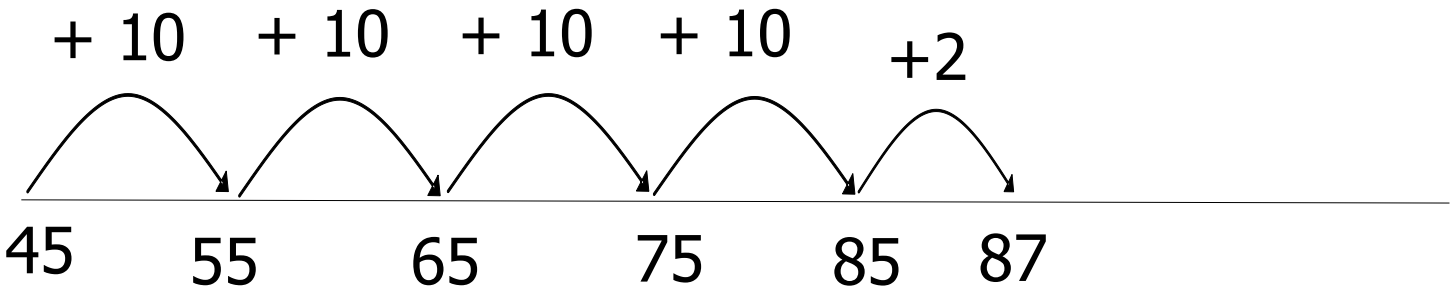
Addition on a blank number line using partitioning

TO + TO *no bridging*

T O T O T O

45 + 42 = 87

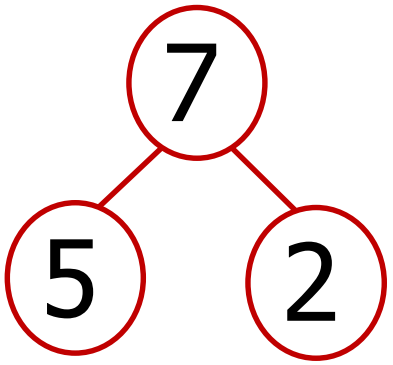
40 2

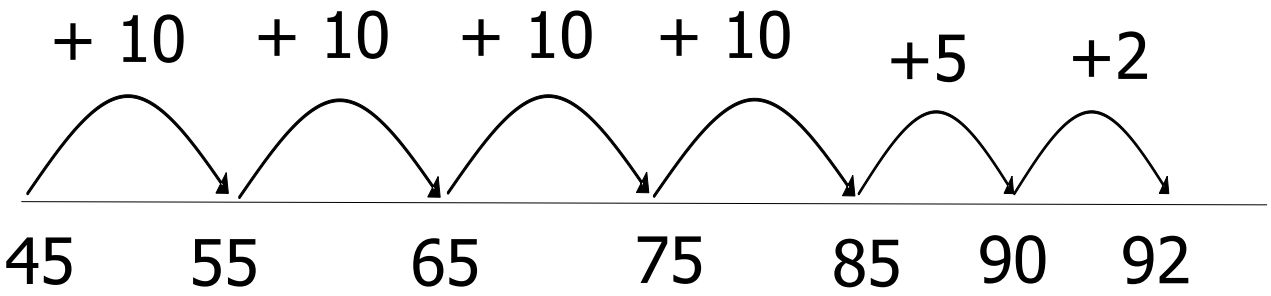


TO + TO *with bridging*

T O		T O		T O
45	+	47	=	92

40 7

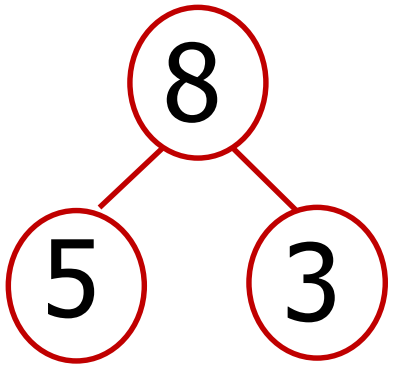


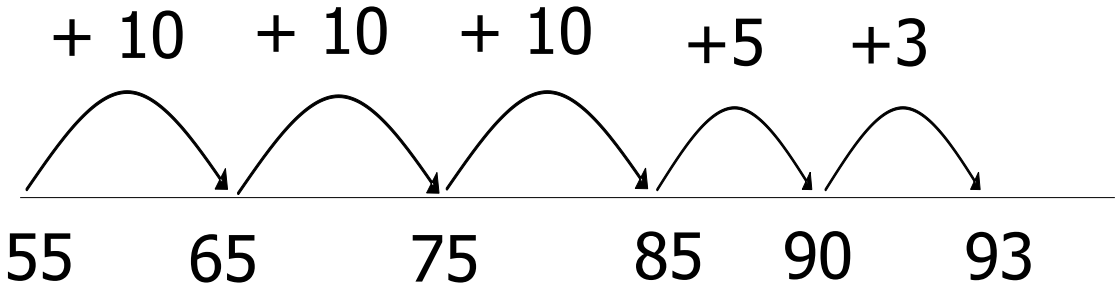


An opportunity to participate

T	O		T	O		T	O
3	8	+	5	5	=	9	3

30 8

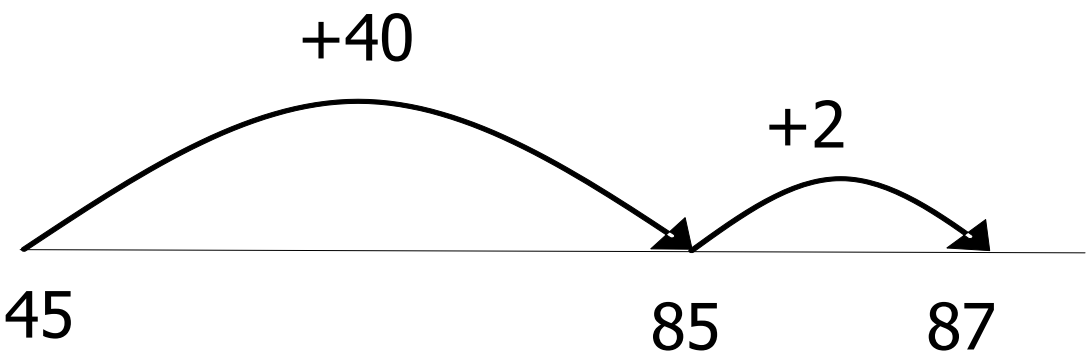




TO + TO *in two steps*

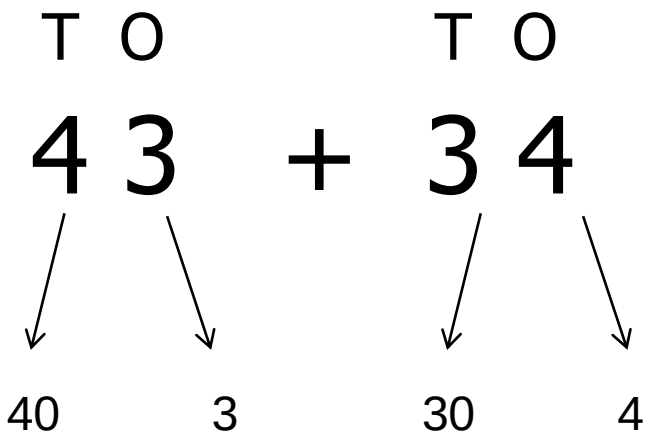
T O T O T O

45 + 42 = 87



Partitioning and recombining

TO + TO *no bridging*



$$= (40 + 30) + (3 + 4)$$

$$= \quad 70 \quad + \quad 7$$

$$= 77$$

TO + TO *with bridging*

T	O		T	O		
5	9	+	2	7	=	86
↓	↘		↓	↘		
50	9		20	7		

$= (50 + 20) + (9 + 7)$

$= 70 + 16$

16
↓ ↘
10 6

$= (70 + 10) + 6$

$= 80 + 6$

$= 86$

Opportunity to participate

T O T O

4 8 + 3 6 = 84

40 8 30 6

= (40 + 30) + (8 + 6)

= 70 + 14

10 4

= (70 + 10) + 4

= 80 + 4

= 84

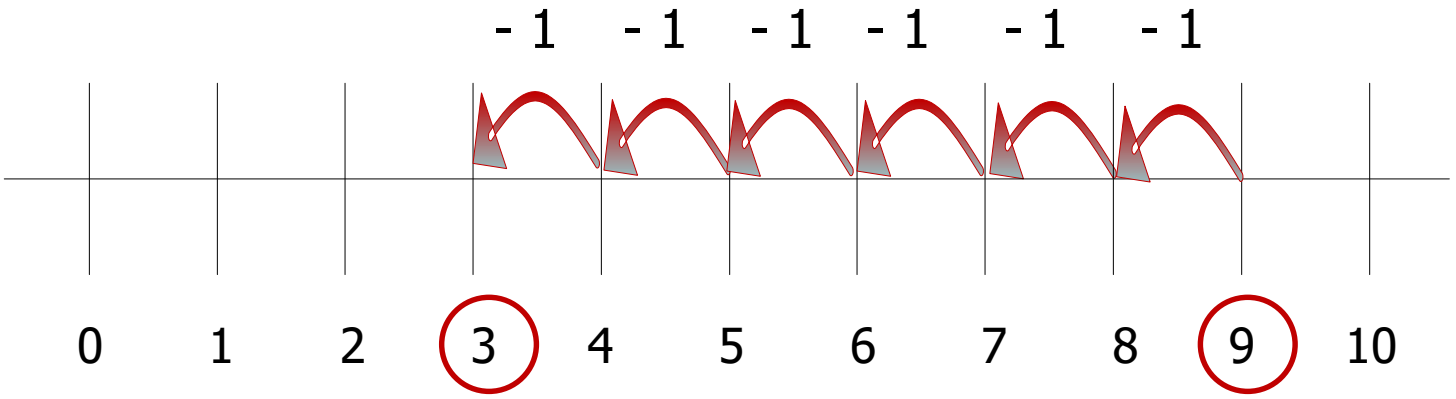
Pegasus Calculation Policy for subtraction

Year 1

Subtraction on a number line

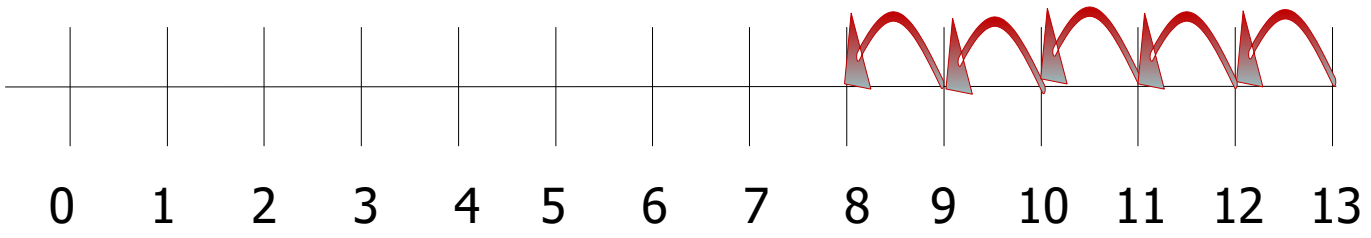
Subtraction on a number line O - O

$$9 - 6 = 3$$



Subtraction on a number line TO - O

$$13 - 5 = 8$$

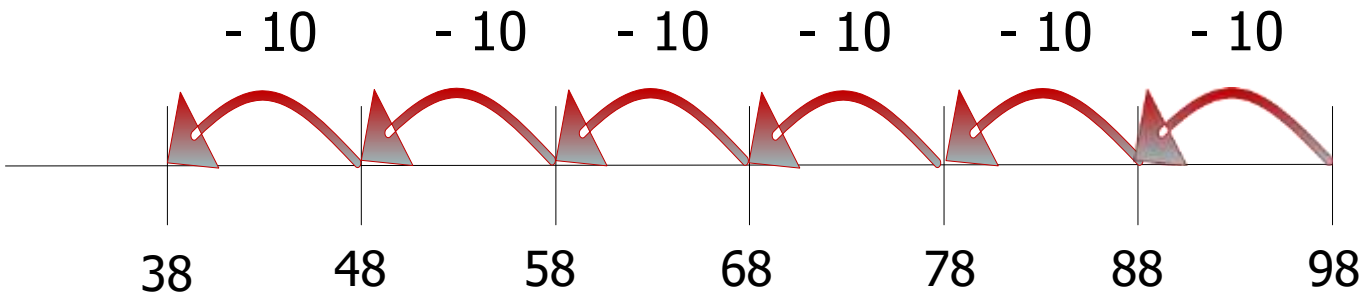


Year 2

Subtraction on a blank number line

TO – TO *multiples of ten*

98 - 60 = 38

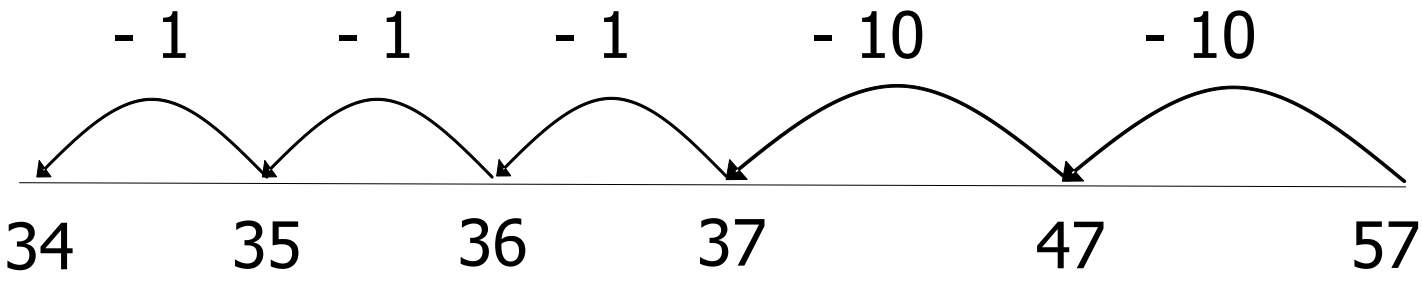


TO – TO *with partitioning*

T O T O

57 - 23 = 34

20 3

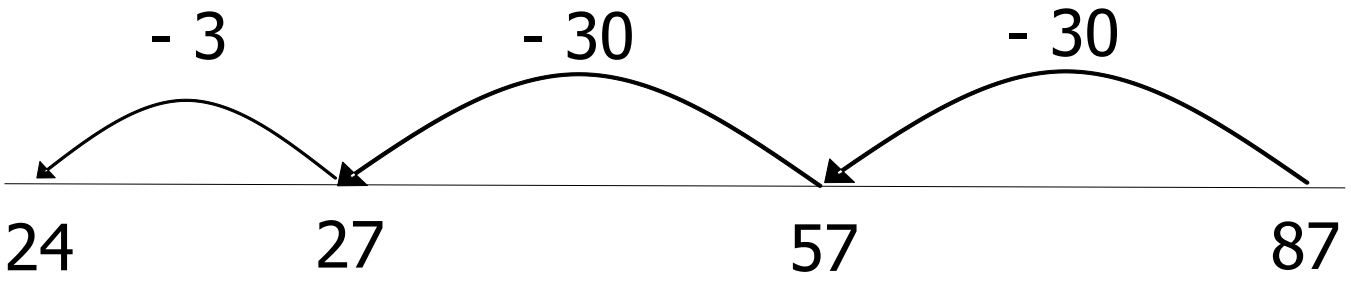


TO – TO *with partitioning*

T O T O

87 - 63 = 24

60 3

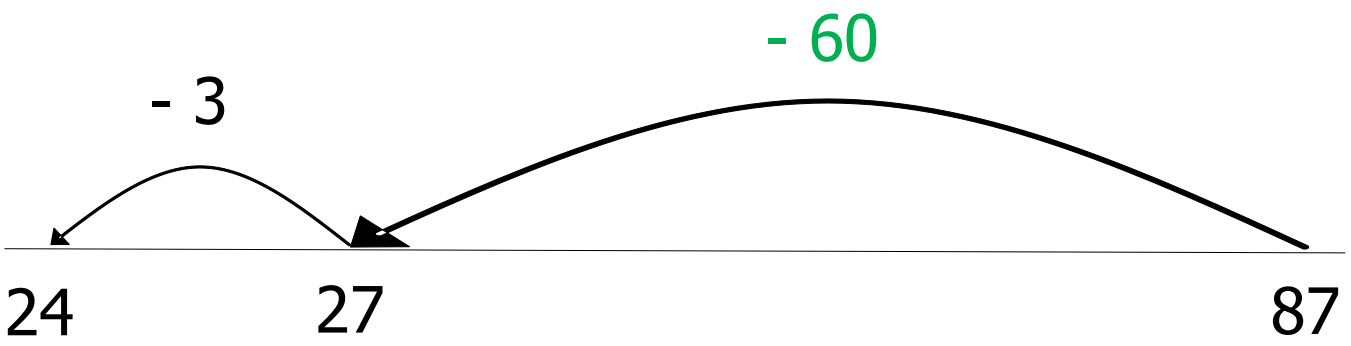


TO – TO *with partitioning*

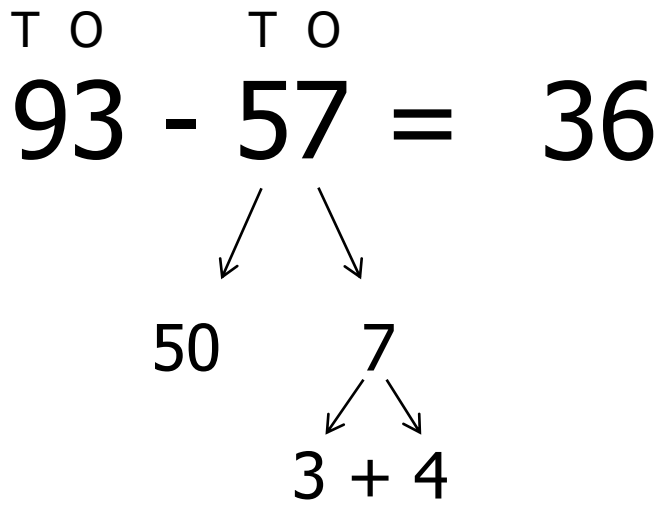
T O T O

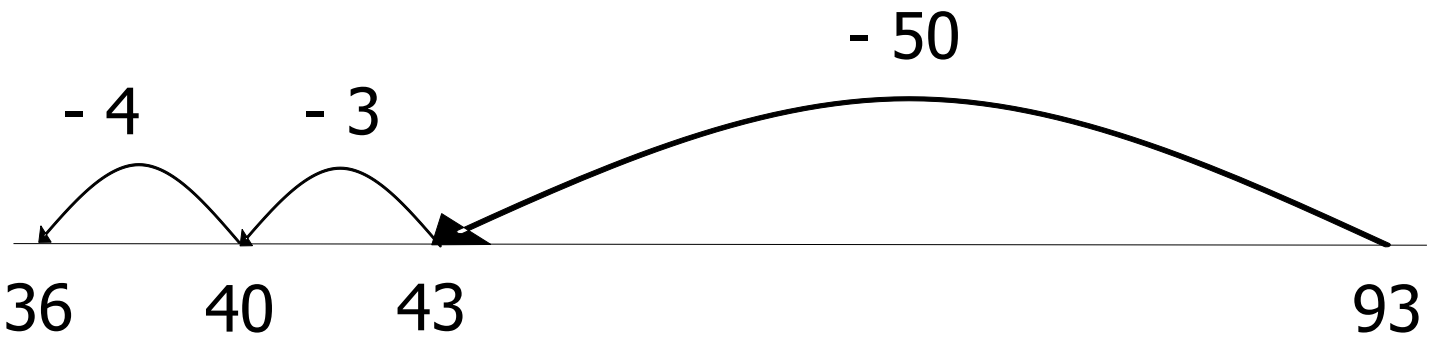
87 - 63 = 24

60 3



An opportunity to participate

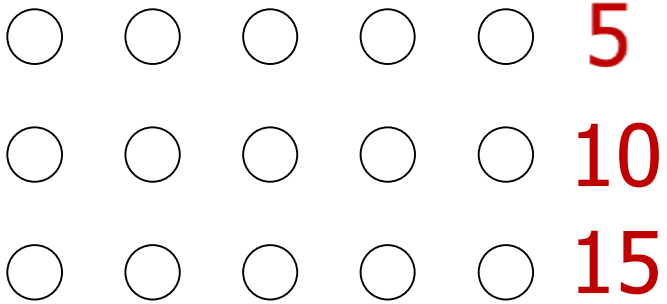




Pegasus Calculation Policy for multiplication

Arrays

3 x 5 = 15



5 x 3 = 15