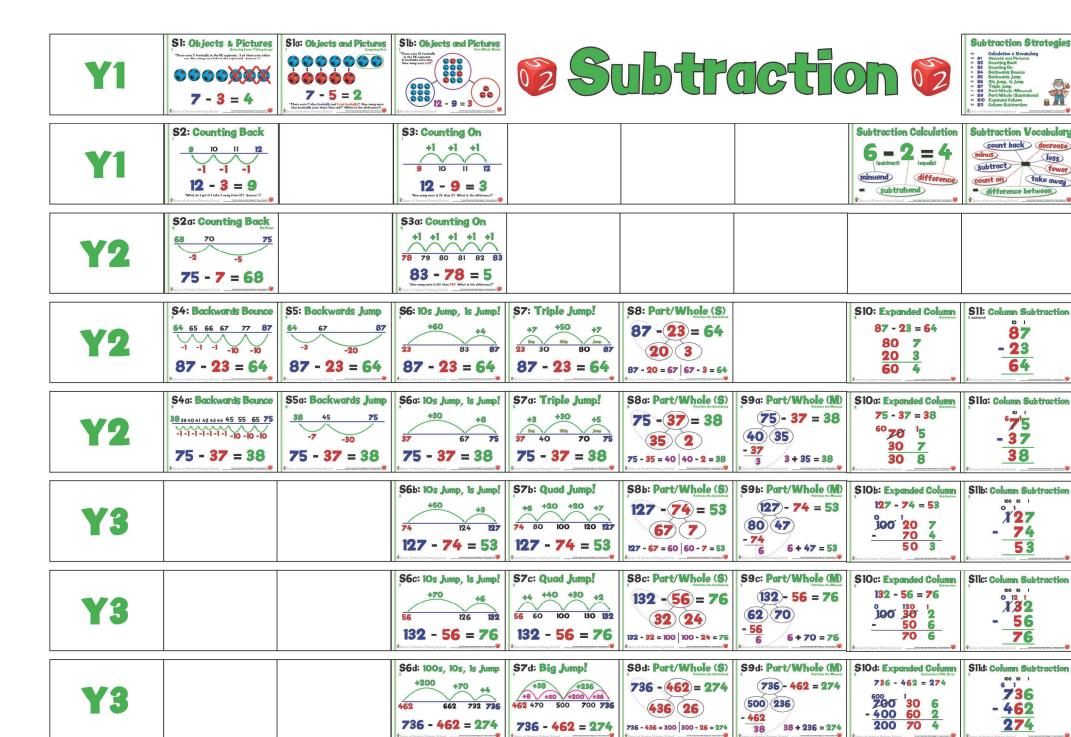
Subtraction Strategies

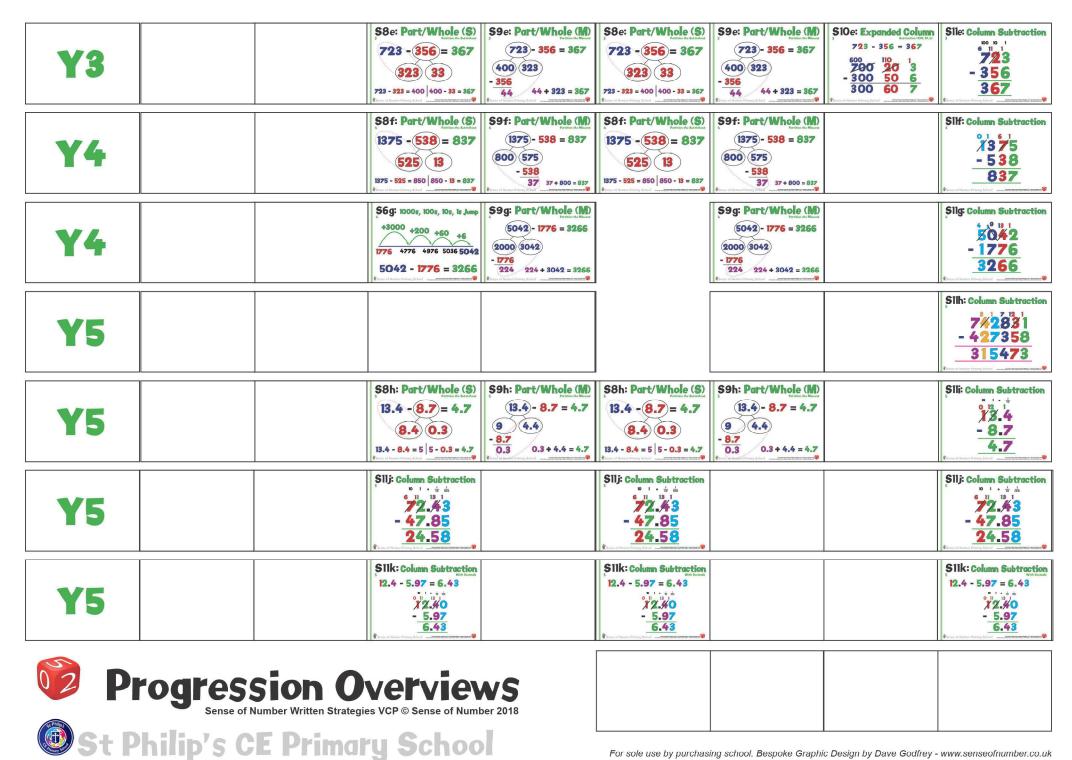
```
Calculation & Vocabulary
105
         Objects and Pictures
         Counting Back
   S2
110
   S3
         Counting On
112
   54
         Backwards Bounce
114
   S5
         Backwards Jump
116
         10s Jump, 1s Jump
   S6
118
         Triple Jump
   S7
127
         Part/Whole (Minuend)
   S8
136
         Part/Whole (Subtrahend)
144
         Expanded Column
152
         Column Subtraction
158
```





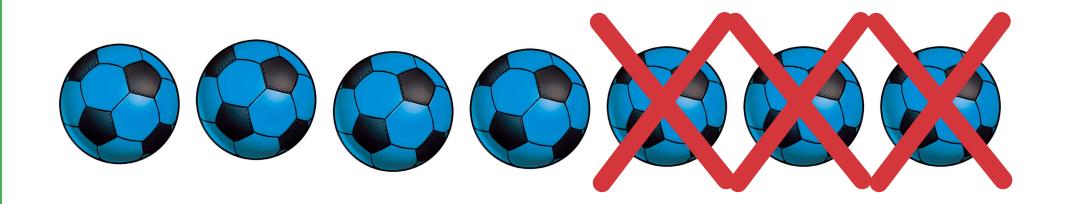






51: Objects & Pictures Removing Items (Taking Away)

"There were 7 footballs in the PE cupboard. 3 of them were taken out. How many were left in the cupboard? Answer: 4"





S1a: Objects and Pictures Comparing Sets

"There were 7 blue footballs and 5 red footballs? How many more blue footballs were there than red?" (What is the difference?)

S1b: Objects and Pictures

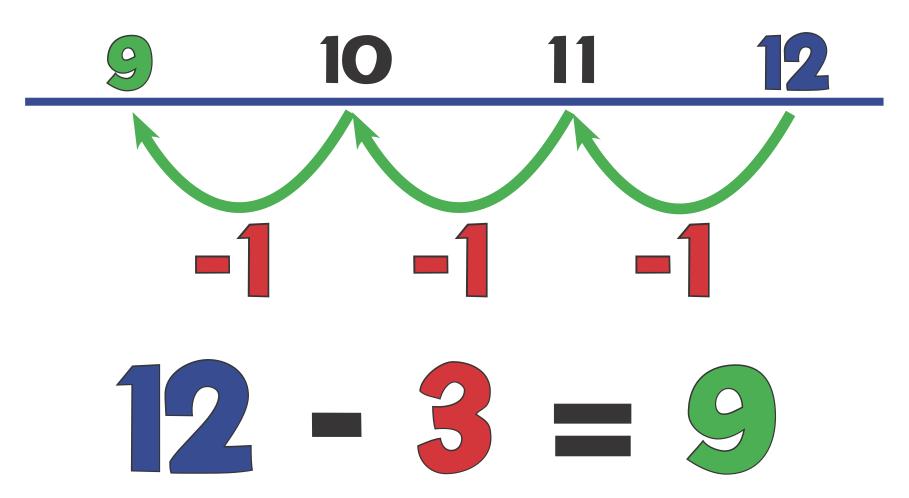
Part/Whole Model

"There were 12 footballs in the PE cupboard. 9 footballs were blue. How many were red?"





S2: Counting Back

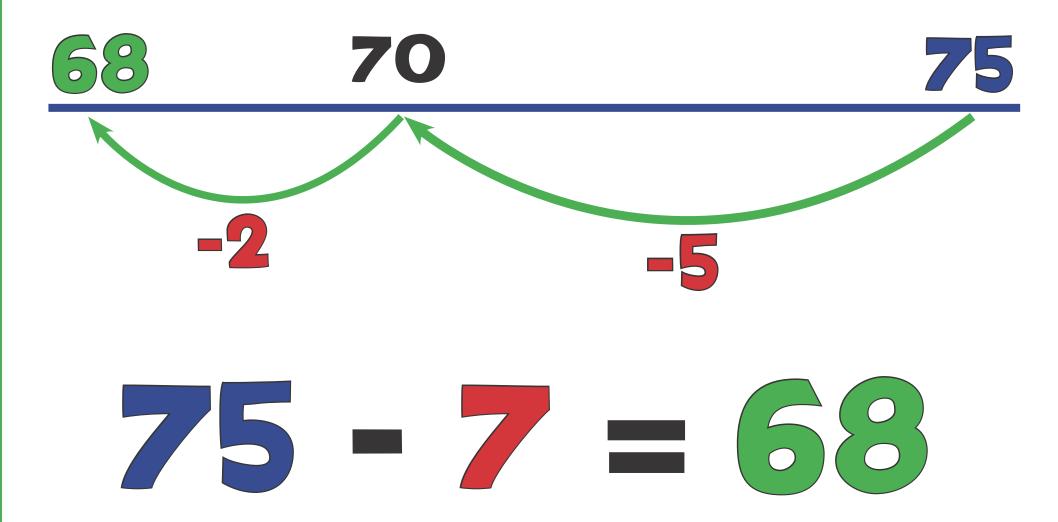


"What do I get if I take 3 away from 12? Answer: 9"

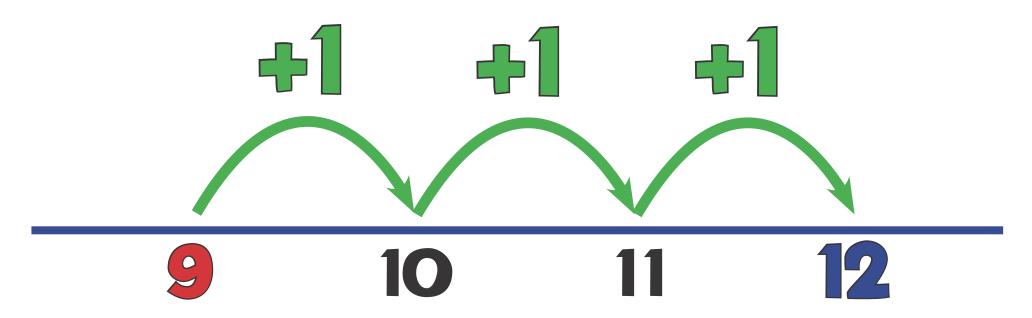




\$2q: Counting Back Big Steps



53: Counting On



12 - 9 = 3

"How many more is 12 than 9? What is the difference?"





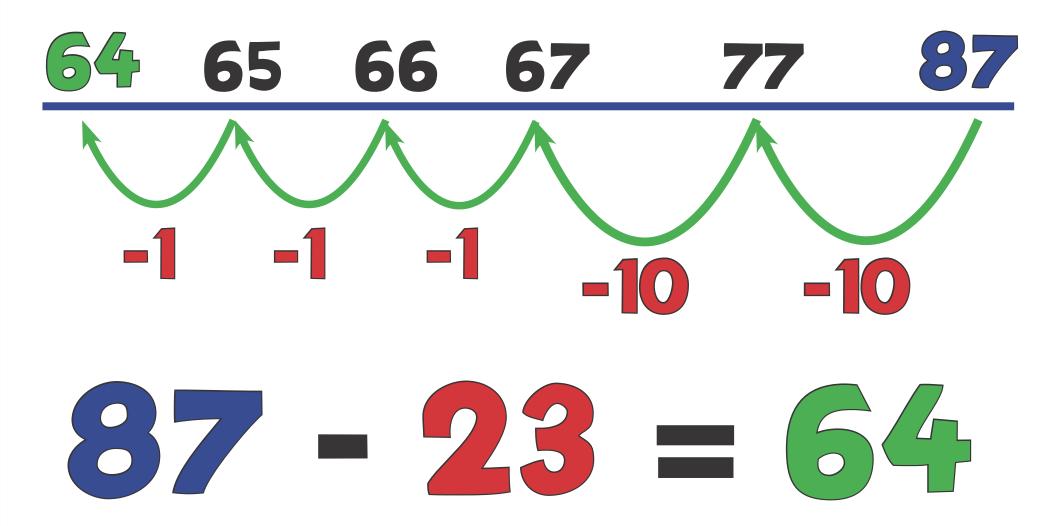
S3a: Counting On

"How many more is 83 than 78? What is the difference?"





54: Backwards Bounce 2

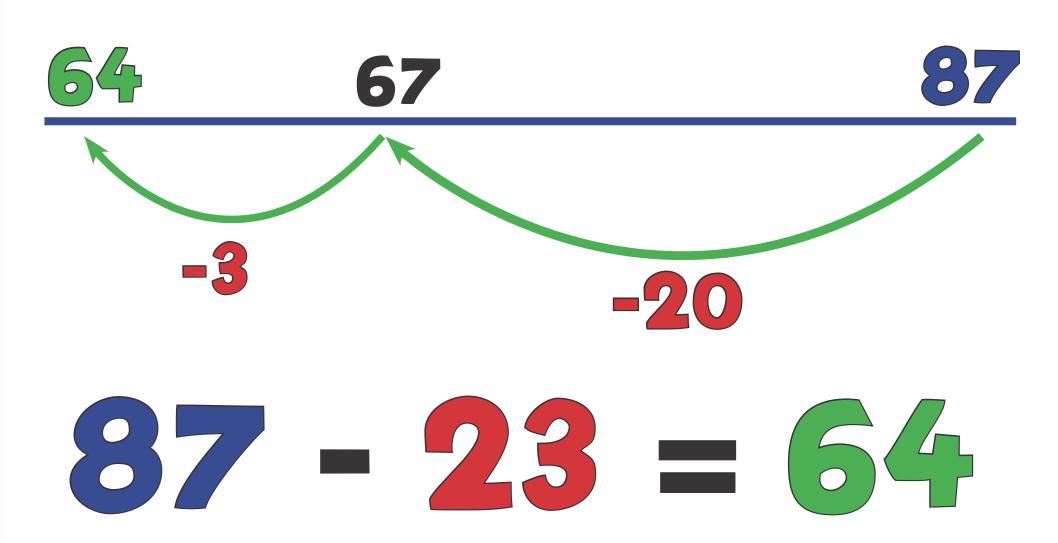


54a: Backwards Bounce 2

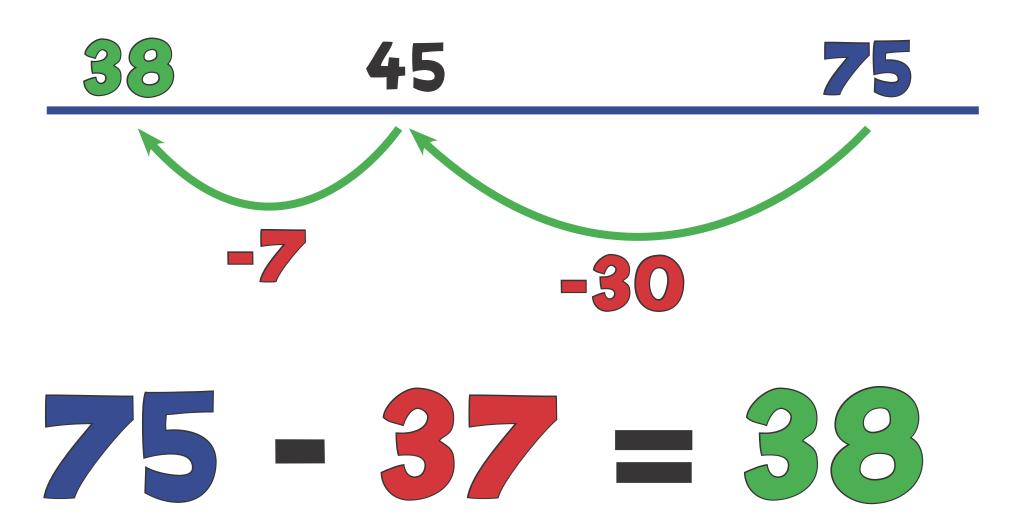
38_{39 40 41 42 43 44} 45 55 65 75 -1 -1 -1 -1 -1 -1 -1 -10 -10

75 - 37 = 38

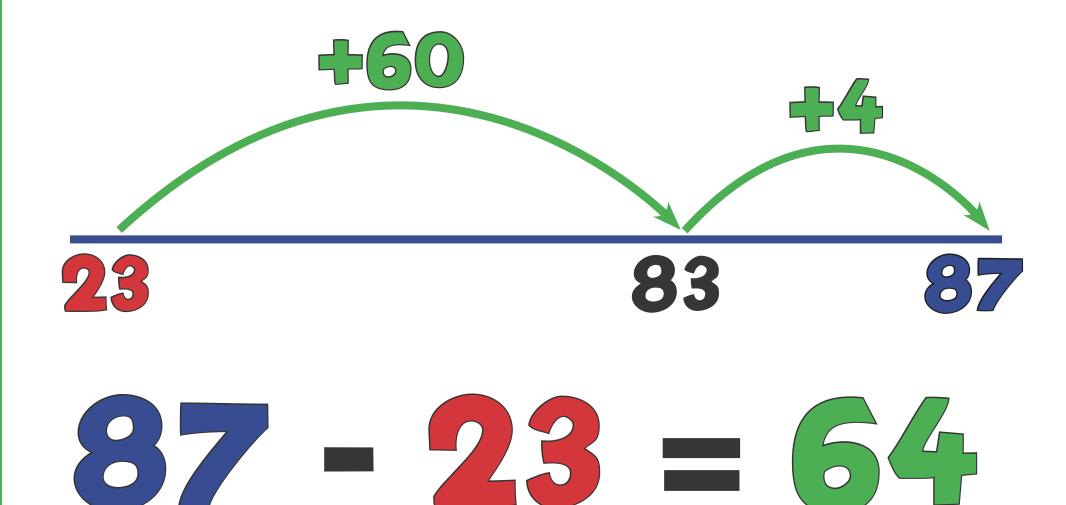
S5: Backwards Jump



S5a: Backwards Jump

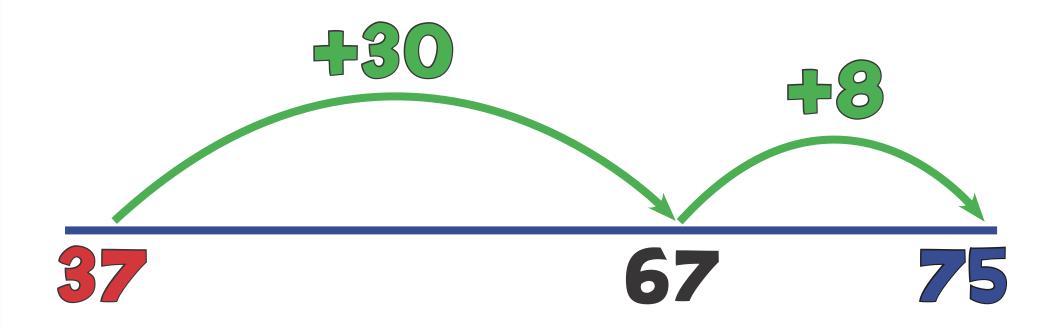


56: 10s Jump, 1s Jump!





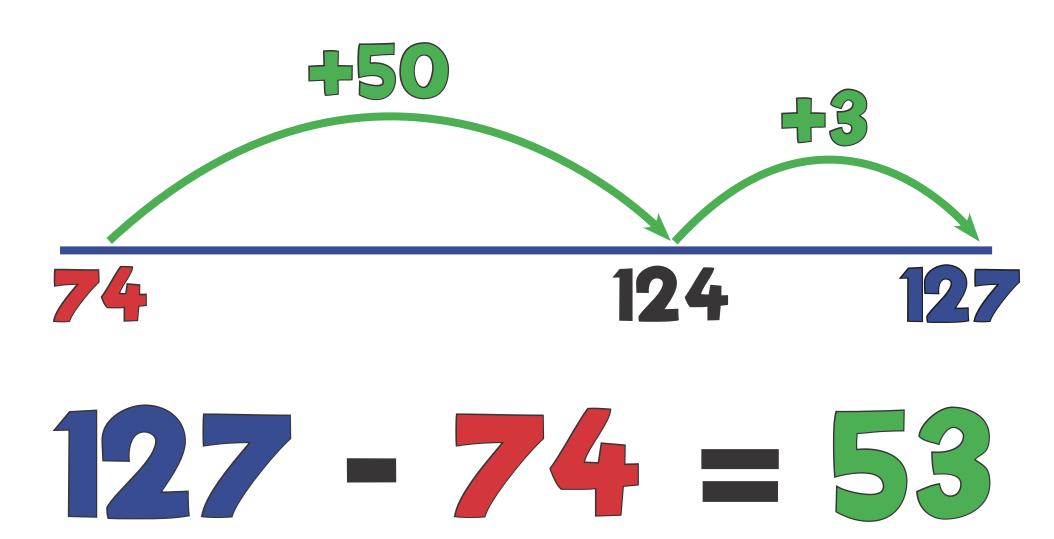
S6a: 10s Jump, 1s Jump!



75 - 37 = 38

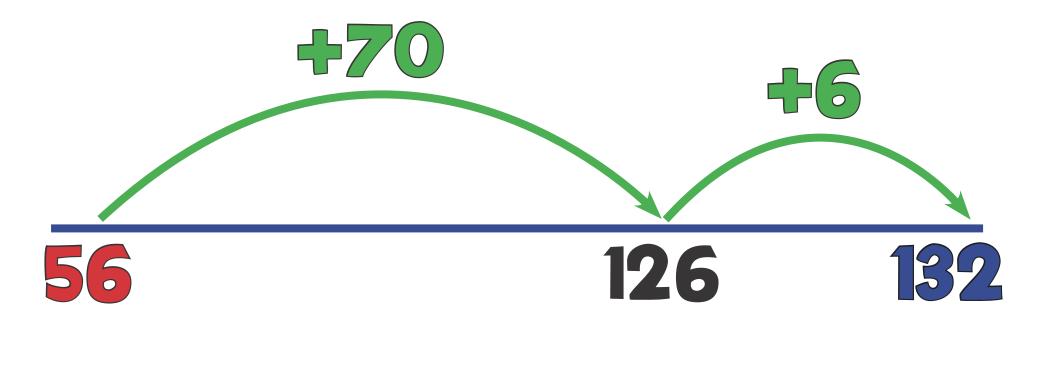


S6b: 10s Jump, 1s Jump!





S6c: 10s Jump, 1s Jump!

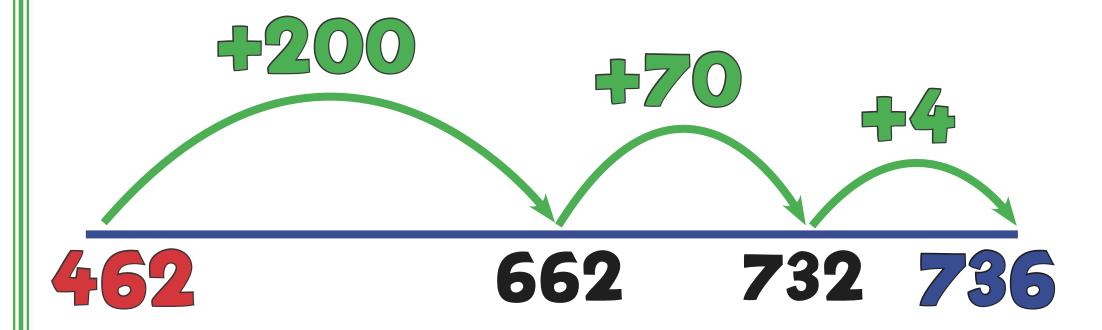


132 - 56 = 76





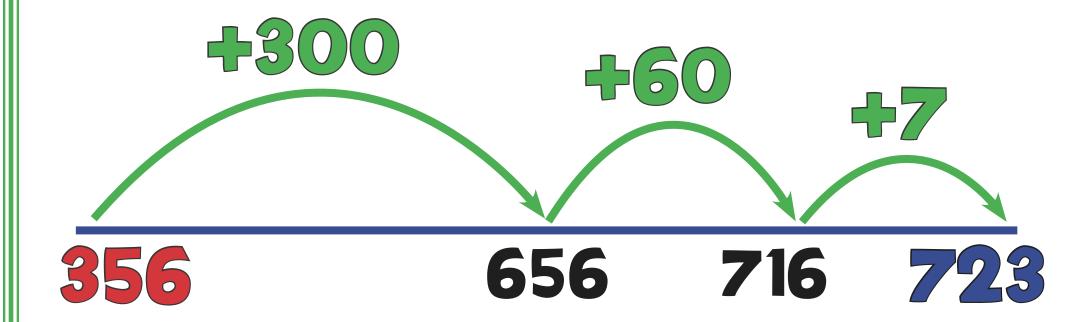
\$6d: 100s, 10s, 1s Jump



736 - 462 = 274



56e: 100s, 10s, 1s Jump

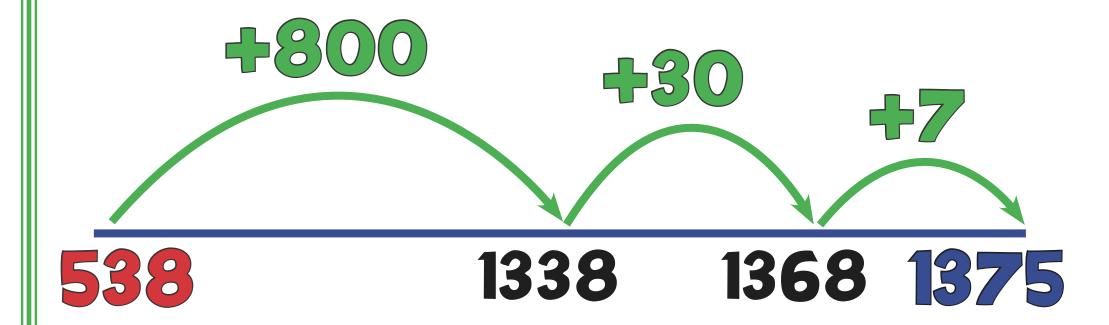


723 - 356 = 367





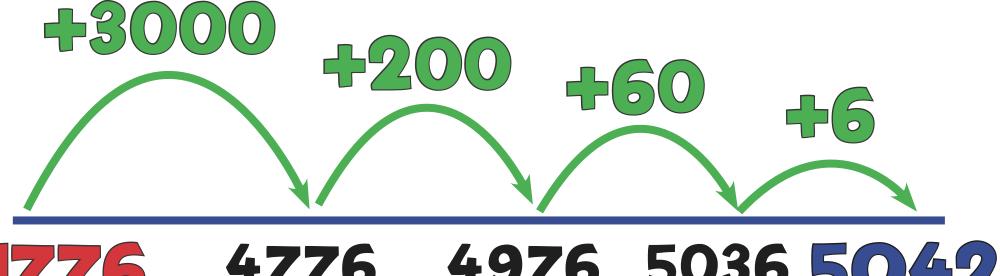
56f: 100s, 10s, 1s Jump



1375 - 538 = 837



56g: 1000s, 100s, 10s, 1s Jump



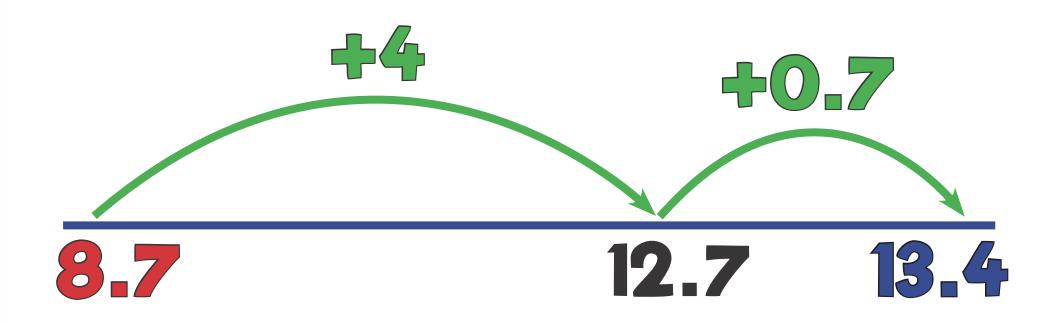
4976 5036 5042

5042 - 1776 = 326





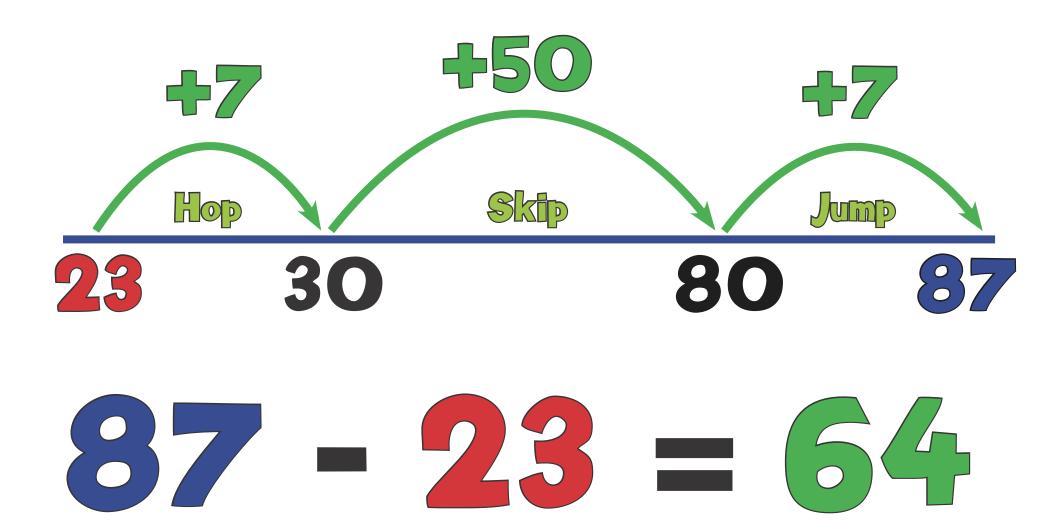
S6i: 1s Jump, Tenths Jump!



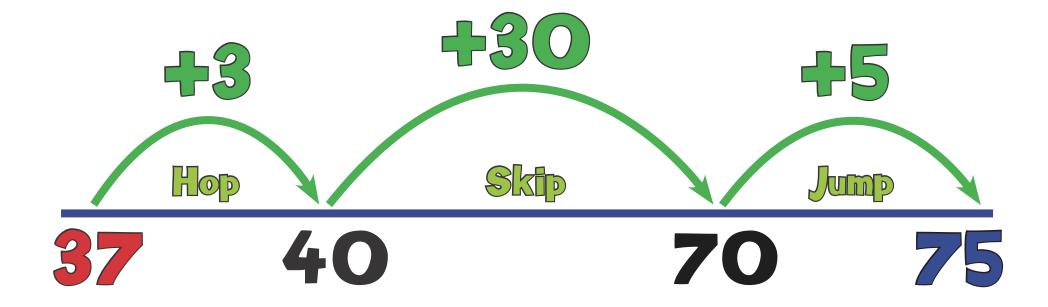
13.4 - 8.7 = 4.7



S7: Triple Jump!



S7a: Triple Jump!

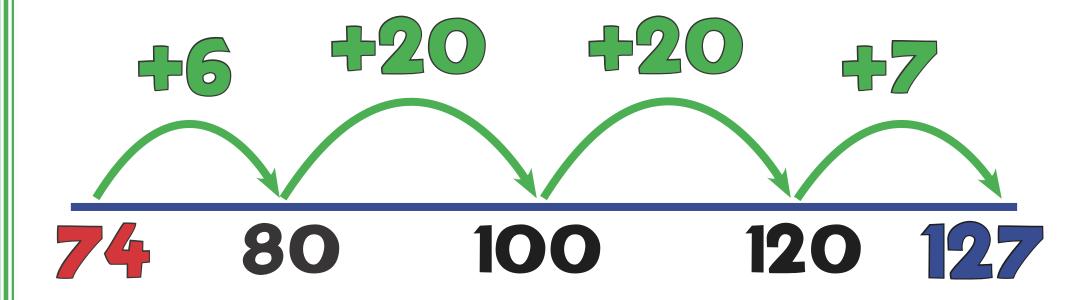


75 - 37 = 38





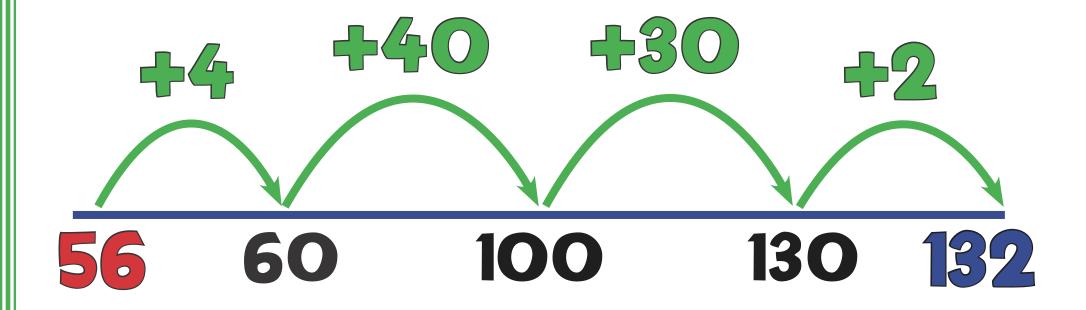
57b: Quad Jump!



127 - 74 = 53



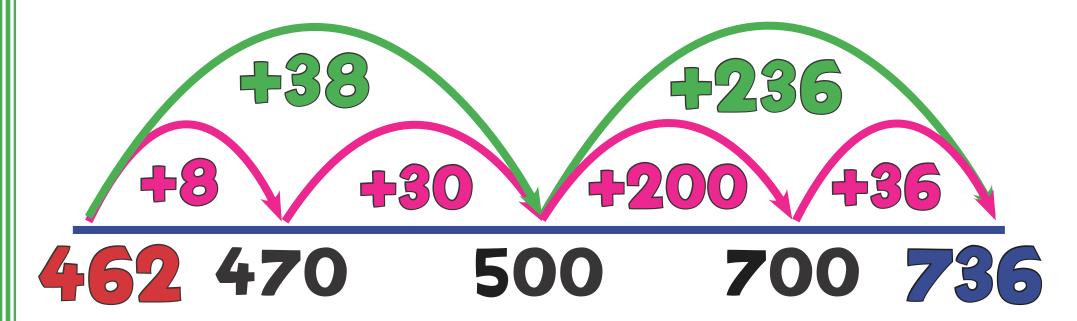
S7c: Quad Jump!



132 - 56 = 76



S7d: Big Jump!

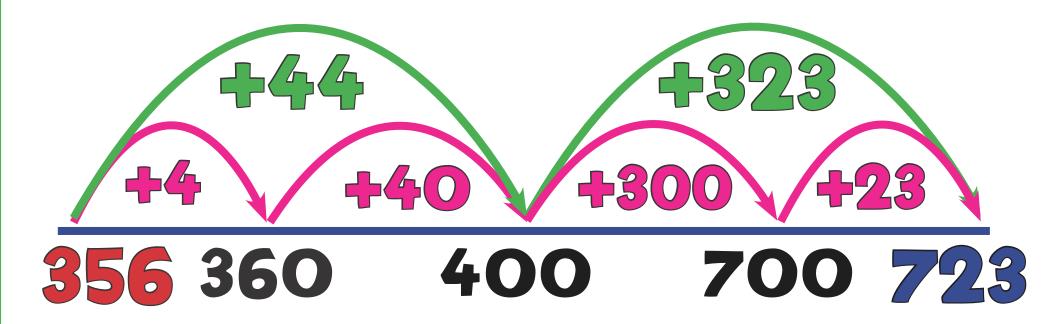


736 - 462 = 274

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S7e: Big Jump!

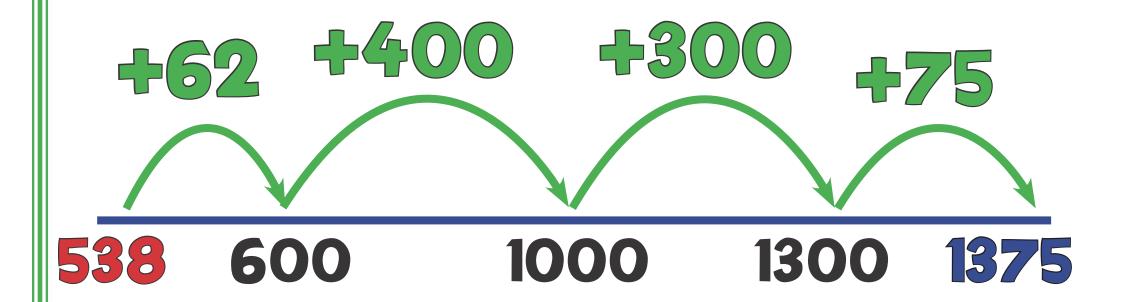


723 - 356 = 367





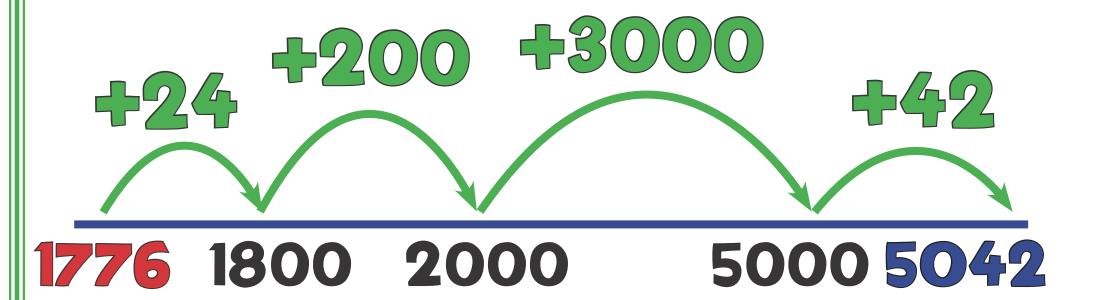
S7f: Quad Jump Extreme



1375 - 538 = 837



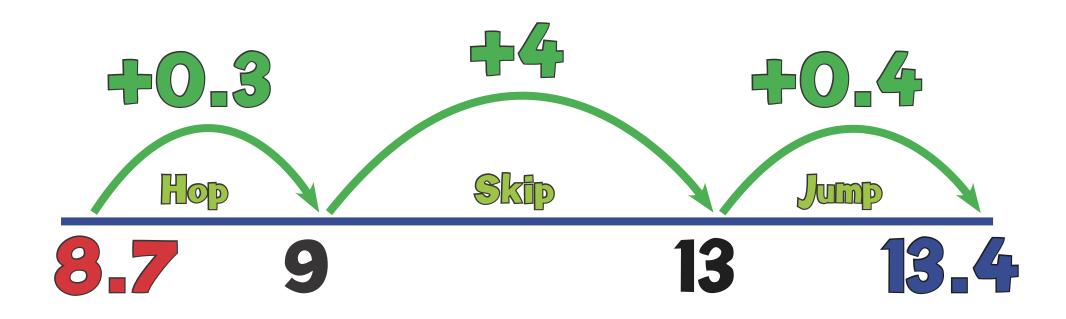
S7g Quad Jump Extreme



5042 - 1776 = 3266



S7i: Decimal T-JI



13.4 - 8.7 = 4.7



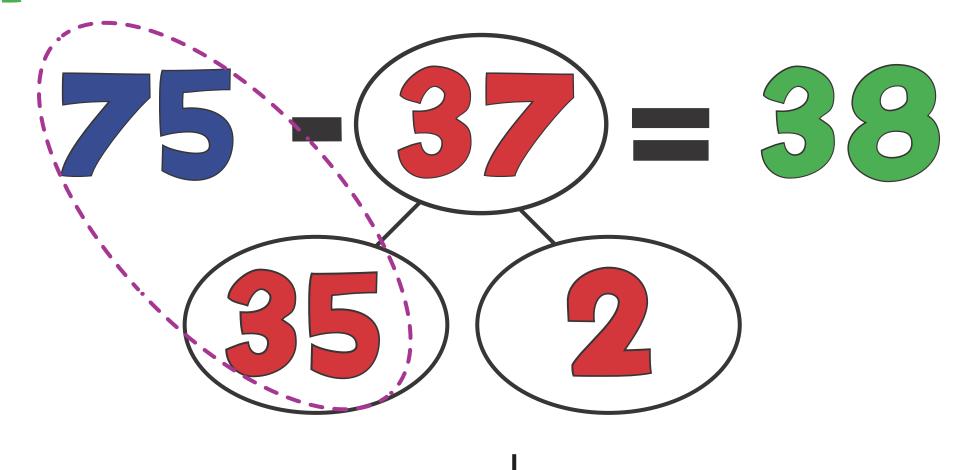
S8: Part/Whole (S)

Partition the Subtrahend

$$67 - 3 = 64$$

58a: Part/Whole (5)

Partition the Subtrahend

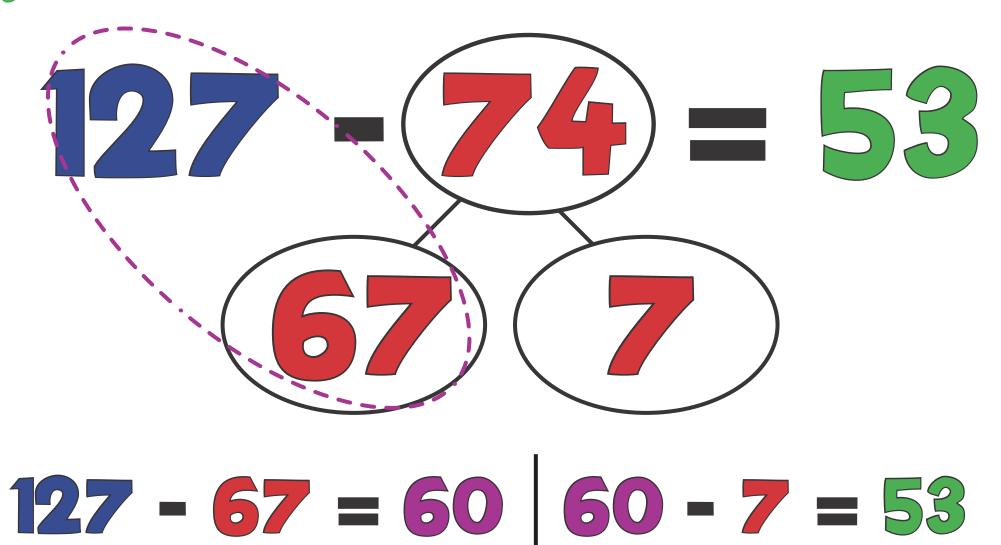






58b: Part/Whole (5)

Partition the Subtrahend

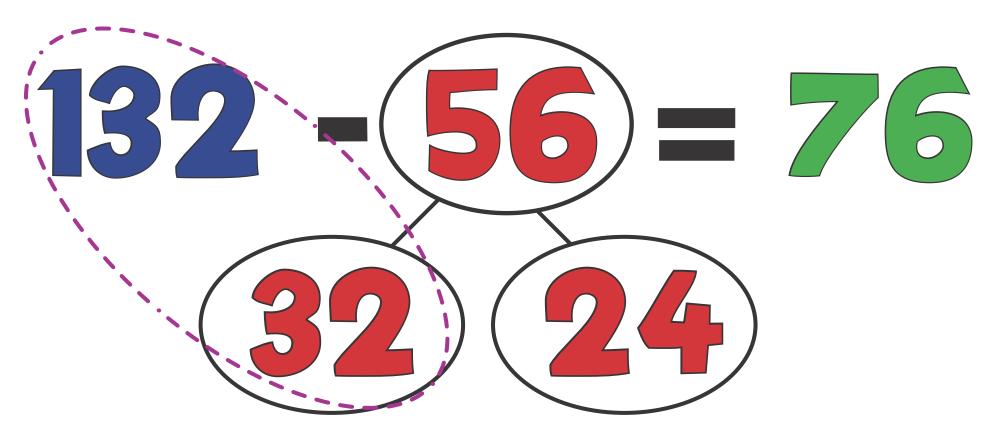


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58c: Part/Whole (5)

Partition the Subtrahend



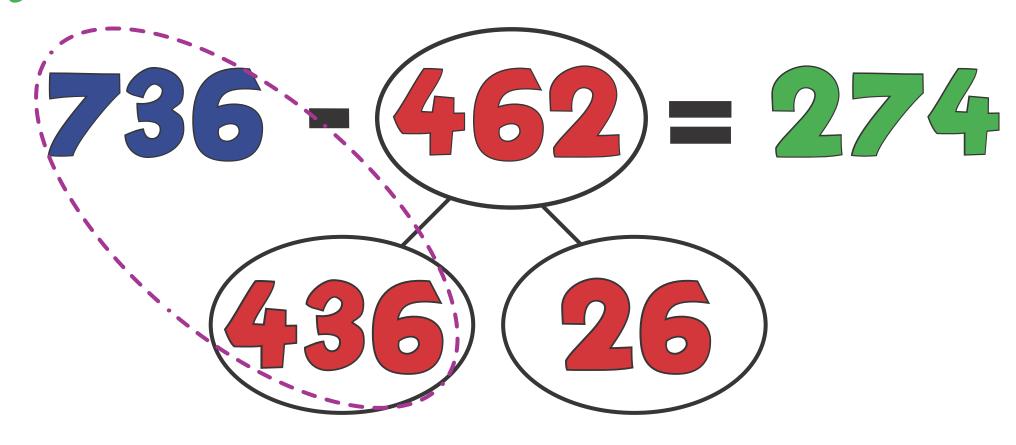
132 - 32 = 100 | 100 - 24 = 76





58d: Part/Whole (5)

Partition the Subtrahend



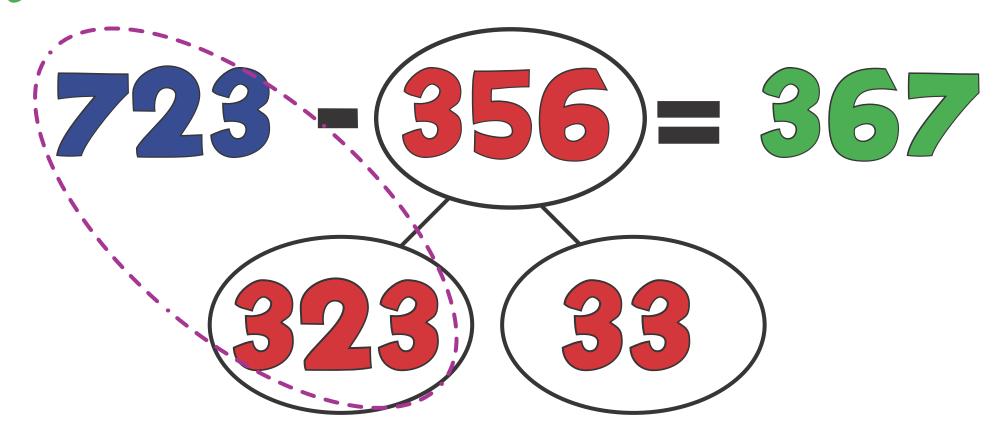
736 - 436 = 300 | 300 - 26 = 274





S8e: Part/Whole (S)

Partition the Subtrahend

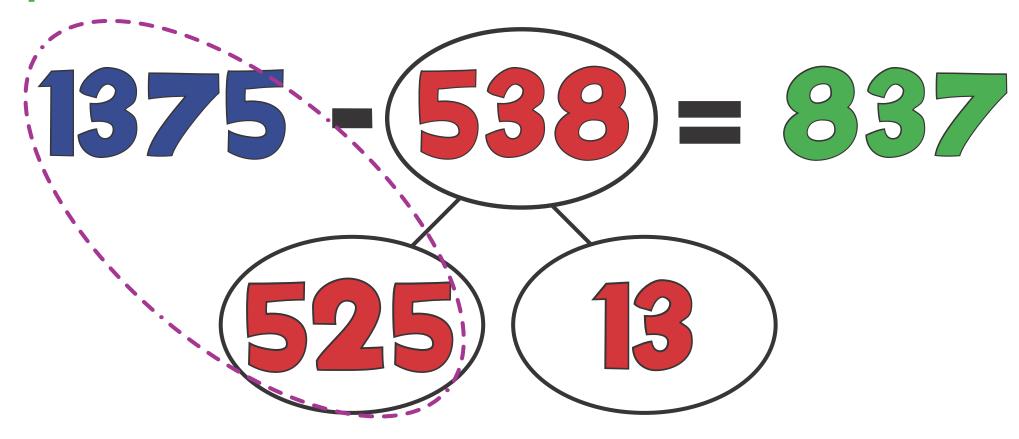






S8f: Part/Whole (S)

Partition the Subtrahend



1375 - 525 = 850 850 - 13 = 837





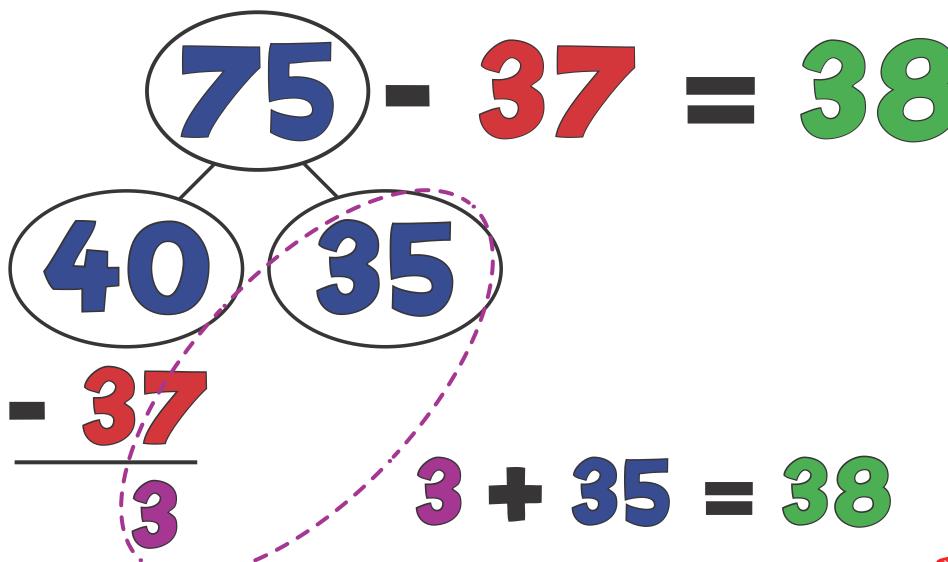
58h: Part/Whole (5)

Partition the Subtrahend

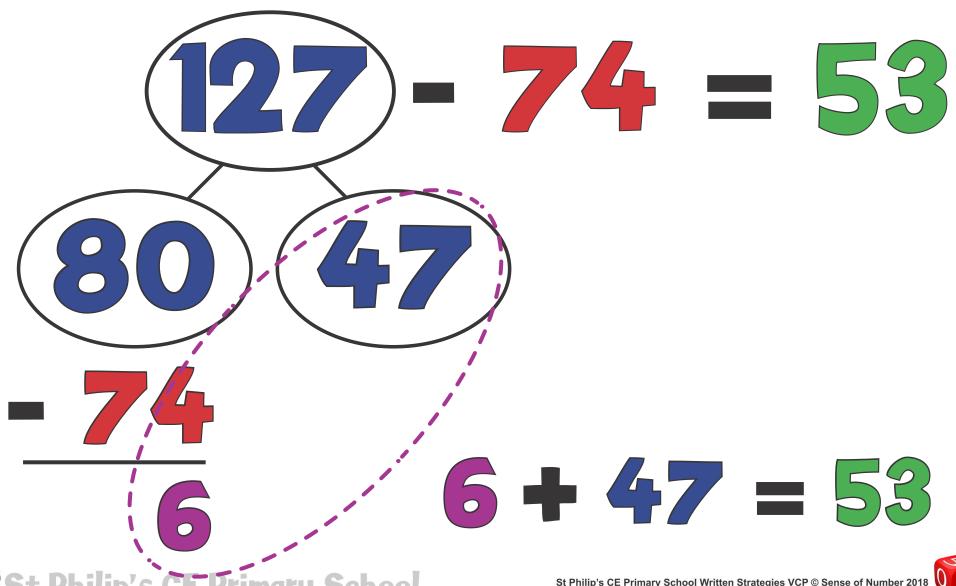




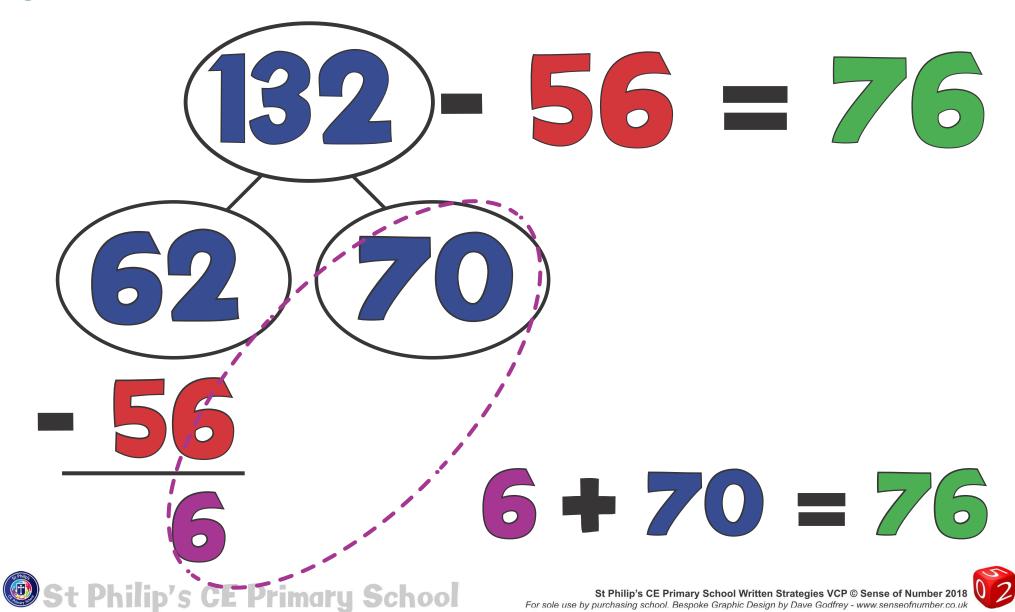
S9a: Part/Whole (M)



59b: Part/Whole (M)

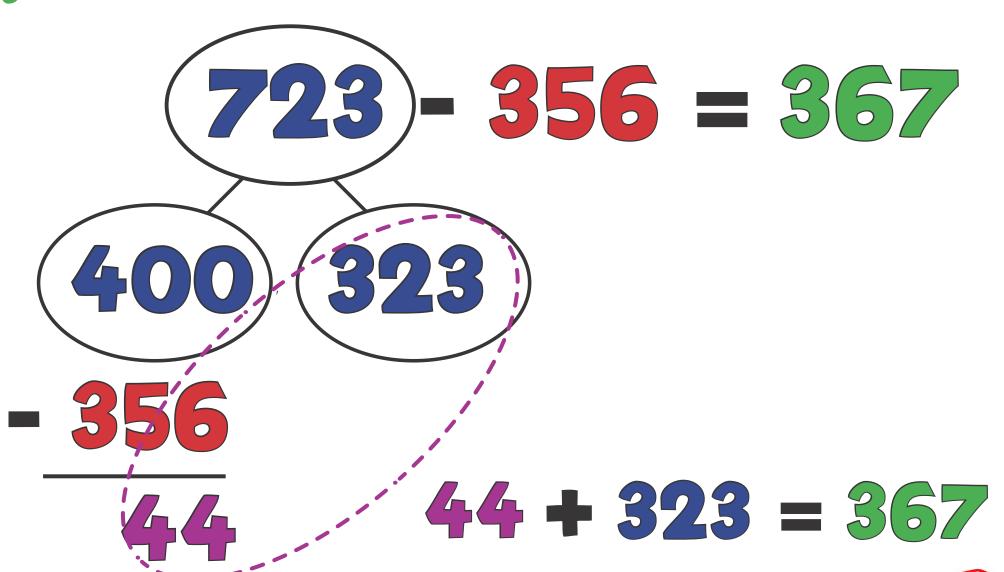


S9c: Part/Whole (M)



59d: Part/Whole (M)

S9e: Part/Whole (M)



S9f: Part/Whole (M)

Partition the Minuend

37

37 + 800 = 837





S9g: Part/Whole (M) Partition the Minuend

5042)- 1776 = 3266

2000 3042

224

224 + 3042 = 3266

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59h: Part/Whole (M)

\$10: Expanded Column Subtraction



\$10a: Expanded Column Subtraction

75 - 37 = 38



\$10b: Expanded Column Subtraction

127 - 74 = 53100 20



\$10c: Expanded Column Subtraction

132 - 56 = 76



S10d: Expanded Column

Subtraction (100, 10, 1s)

$$736 - 462 = 274$$

- 400 50 6 - 400 60 2 - 200 70 4



S10e: Expanded Column

Subtraction (100, 10, 1s)

723 - 356 = 367

- 300 50 6 300 60 7





S11: Column Subtraction 2 Additional



S11a: Column Subtraction





511b: Column Subtraction



S11c: Column Subtraction



511d: Column Subtraction



S11e: Column Subtraction





S11f: Column Subtraction





S11g: Column Subtraction

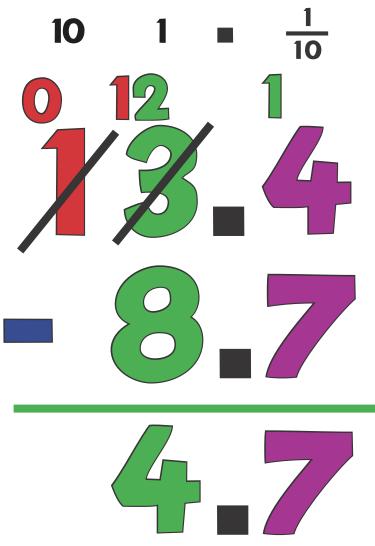




S11h: Column Subtraction 5



S11: Column Subtraction 5





S11j: Column Subtraction





S11k: Column Subtraction With Decimals

12.4 - 5.97 = 6.43

10 1 \blacksquare $\frac{1}{10}$ $\frac{1}{100}$