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LESSON 8-3

Use Partial Differences to Subtract

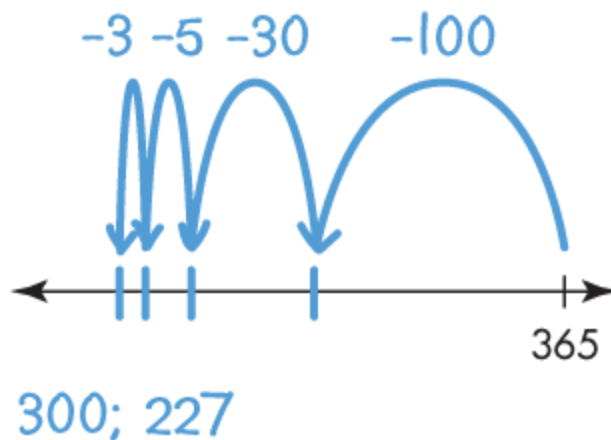
 [MA.3.NSO.2.1](#), [MA.3.AR.1.2](#), [MTR.4.1](#), [MTR.5.1](#)

For more help with this lesson, view the [Visual Learning Animation](#) or the [Another Look Video](#).

MATH HELP AT HOME

Sample Additional Practice Exercise 1

Estimate and then use partial differences to subtract. Use the number line to help.
 $365 - 138$



To estimate, round 365 to 400, round 138 to 100, and subtract the rounded numbers:
 $400 - 100 = 300$.

To subtract 138 from 365, start at 365 on the number line. Subtract 100, then 30, then 5, then 3. $365 - 100 = 265$, $265 - 30 = 235$, $235 - 5 = 230$, $230 - 3 = 227$.

HOME ACTIVITY

Book Comparisons

MATERIALS

Books, Paper, Pencil

ACTIVITY

Gather at least 5 books and ask your child to find the total number of pages in each book and arrange them from longest book (greatest number of pages) to shortest book (least number of pages). Have your child write the total number of pages in the first book and ask, "How many more pages does this have than the next longest book?" Your child should use subtraction to find the difference in total pages. For example, if the longest book has 320 pages and the next longest book has 246 pages, your child will find the difference $320 - 246$. One way to do this is to use partial differences. $320 - 200 = 120$; $120 - 40 = 80$; $80 - 6 = 74$. So, the first book is 74 pages longer than the second book. Now ask your child to compare the length of the second book to the third book, and so on.

Processing math: 100%