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| Lesson Title | Addition: Making Friendly (Landmark) Numbers |
| Prerequisites | none |
| Purpose | For children to deconstruct and manipulate numbers to aid mental computation |
| Materials | Whiteboard |
| Presentation | One away from a friendly numberWrite on whiteboard:19 + 5**I know you all know the answer, but what I am really interested in is how you solved this problem. How did your brain add these numbers?**Children may come up with different ways. Write each one on board:19 + 1 + 1 + 1 + 1 + 1 (counting on)19 + 1 + 4 (making the friendly number 20, then adding what was left)**Do you see what we did with this last example? We took one away from here (the 5) and put it here (the 19) to make a friendly number (20). That meant we ended up with 20 + 4. Making friendly numbers can really help us when we are adding larger numbers together.** Do more examples:29 + 8 (29 + 1 + 7)9 + 739 + 619 + 4 9 + 2616 + 1923 + 4999 + 51Another day - Two away from a friendly numberWrite on whiteboard:8 + 5**I know you all know the answer, but what I am really interested in is how you solved this problem. How did your brain add these numbers?**Children may come up with different ways. Write each one on board:8 + 1 + 1 + 1 + 1 + 1 (counting on)8 + 2 + 3 (making the friendly number 10, then adding what was left)**Do you see what we did with this last example? We took two away from here (the 5) to make a friendly number (10). Then it was easy to add on what was left. Whenever I am doing an addition, and I see an 8, I know I can add 2 more to get to a friendly number and that will help me find the answer more easily.**Do lots of examples together:8 + 138 + 2418 + 78 + 418 + 628 + 1727 + 2828 + 1625 + 3823 + 2728 + 4518 + 6338 + 3767 + 2848 + 52Another Day – Mixing it upProblems with two- and three-digit addends. The addends are one or more away from a friendly number, or using “friends of ten”.99 + 3898 + 4798 + 9999 + 99 + 5119 + 26118 + 17129 + 16124 + 2636 + 10949 + 108119 + 48126 + 124116 + 2939 + 127114 + 11846 + 118 |
| Follow Up Work |  |
| Extensions |  |