|  |  |
| --- | --- |
| **Count On** | 6+2=8  6, 7, 8  Start at 6, then continue counting 7, 8. |
| **Facts with Zero**  **Additive Identity Property of 0**  **Subtracting 0, the whole remains the same.** | **5+0=5**  **Add 0** cookies to your plate  [http://www.fansshare.com/images/chocolatechipcookie/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart-1243302910.jpghttp://www.fansshare.com/images/chocolatechipcookie/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart-1243302910.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.fansshare.com/gallery/photos/13479036/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart/&ei=juWbVZidEoOy-AGI8KKgBg&bvm=bv.96952980,d.cWw&psig=AFQjCNGqGPB-xTvxlWwkRJ1ZooplBQr3kw&ust=1436366586930201)and you still have 5 cookies.  [http://www.fansshare.com/images/chocolatechipcookie/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart-1243302910.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.fansshare.com/gallery/photos/13479036/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart/&ei=juWbVZidEoOy-AGI8KKgBg&bvm=bv.96952980,d.cWw&psig=AFQjCNGqGPB-xTvxlWwkRJ1ZooplBQr3kw&ust=1436366586930201)  [http://www.fansshare.com/images/chocolatechipcookie/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart-1243302910.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.fansshare.com/gallery/photos/13479036/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart/&ei=juWbVZidEoOy-AGI8KKgBg&bvm=bv.96952980,d.cWw&psig=AFQjCNGqGPB-xTvxlWwkRJ1ZooplBQr3kw&ust=1436366586930201)  [http://www.fansshare.com/images/chocolatechipcookie/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart-1243302910.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.fansshare.com/gallery/photos/13479036/would-you-consider-starscream-feminine-chocolate-chip-cookie-clipart/&ei=juWbVZidEoOy-AGI8KKgBg&bvm=bv.96952980,d.cWw&psig=AFQjCNGqGPB-xTvxlWwkRJ1ZooplBQr3kw&ust=1436366586930201)**5-0=5**  **Subtract 0** cookies from your  plate and you still have 5 cookies. |
| **Related Facts**  **Commutative Property for Addition**  **Related Subtraction Facts** | 5+4=9 9-5=4  4+5=9 9-4=5 |
| **Compensation** | [http://3.bp.blogspot.com/-pKMjzJMiOeE/TfkfUHWBIJI/AAAAAAAAAbc/PXKx09gwtJ4/s1600/Picture+5.pnghttp://3.bp.blogspot.com/-pKMjzJMiOeE/TfkfUHWBIJI/AAAAAAAAAbc/PXKx09gwtJ4/s1600/Picture+5.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://finallyinfirst.blogspot.com/2011/06/new-ten-frame-game.html&ei=B82bVY3NJ4na-QGKtZuQAg&bvm=bv.96952980,d.cWw&psig=AFQjCNGPjBL8Cbr-8z9typMCDEACTx3u-g&ust=1436360317371346) 4+9=13  +    3+10=13  [http://3.bp.blogspot.com/-t0dCy7PKKR0/TfkfUQqWhII/AAAAAAAAAbg/p-prkWmeUZs/s1600/Picture+6.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://finallyinfirst.blogspot.com/2011_06_01_archive.html&ei=cM6bVdGENovh-QGHhaKoDg&bvm=bv.96952980,d.cWw&psig=AFQjCNGPjBL8Cbr-8z9typMCDEACTx3u-g&ust=1436360317371346)[http://3.bp.blogspot.com/-pKMjzJMiOeE/TfkfUHWBIJI/AAAAAAAAAbc/PXKx09gwtJ4/s1600/Picture+5.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://finallyinfirst.blogspot.com/2011/06/new-ten-frame-game.html&ei=B82bVY3NJ4na-QGKtZuQAg&bvm=bv.96952980,d.cWw&psig=AFQjCNGPjBL8Cbr-8z9typMCDEACTx3u-g&ust=1436360317371346)  + |
| **Doubles** | 4 + 4 = 8 3 + 3 = 6  [http://images.clipartpanda.com/spider-clipart-aiexGdbi4.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCNXYmeGp2MYCFYp3PgodtIAOww&url=http://www.clipartpanda.com/categories/spider-clip-art-with-transparent-background&ei=TcyjVZX-EYrv-QG0gbqYDA&bvm=bv.97653015,d.eXY&psig=AFQjCNHcB8AYsu2aQ9QL7KqS1zP-m1M6rw&ust=1436884357068609)  + |
| **Near Doubles** | 6+7=13  **6+6**+1=13 or **7+7**-1=13 |
| **Decomposing**  **Using the 5 Structure** | 6 + 8 =  5 + 1 5 + 3  5 + 5 = **10**  1 + 3 = **4**  **10 + 4 = 14** |
| **Decomposing**  **Using the 10 Structure**  **Making tens**  (teen numbers) | 8 + 5 =13  8+**2**=10 10+**3**=13 |
| **Three Addends**  **Associative Property**  (choosing a friendly order) | 7 + 6 + 3 = 16  **(7+3)**+6= 16 **(3+6)**+7= 16 |

Unit 6 Strategies

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| --- | --- | --- |
| **Leaps of Ten** | 33+29=62  [http://images.clipartpanda.com/frog-clip-art-bug-eyed-frog-hi.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.clipartpanda.com/categories/frog-clipart-for-teachers&ei=AdybVbuQEoWv-QGhjL-ABQ&bvm=bv.96952980,d.cWw&psig=AFQjCNHtAKgJpVS5ddfFxyBN0t2hTR2Kag&ust=1436364159287782) 43 53  [http://images.clipartpanda.com/frog-clip-art-bug-eyed-frog-hi.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.clipartpanda.com/categories/frog-clipart-for-teachers&ei=AdybVbuQEoWv-QGhjL-ABQ&bvm=bv.96952980,d.cWw&psig=AFQjCNHtAKgJpVS5ddfFxyBN0t2hTR2Kag&ust=1436364159287782)  ( **33 + 10 + 10** + 9 ) = 62  +10 +10 +9  33 43 53 62 | |
| **Benchmark**  **Numbers** | 33+29=62  **30-1=29**  33+**30** = 63 **-1** = 62 | 58-19=39  **19+1=20**  58-**20** = 38 **+1** = 39 |
| **Decomposing**  **Using Place Value** | 33 + 29 =62    30 + 3 + 20 + 9    30 + 20 + 9 + 3 = 62    +20 +9 +3  30 50 59 62 | |
| **Subtracting by Counting Up** | 77 - 69 = 8 | |