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| Sample questions that your child might see on the New York State Math test in their 4th, 5th, and 6th grade year might include…  1. Marissa needs $4.35 to buy a ticket at the movie theater. Which group of money has a value of $4.35? Circle your answer  money  money  money  money  This problem is used to make sure that the students know what each coin looks like and what value they each have. They will need to determine which coins will make thirty-five cents. |  | Here are some fun math games for students to try. Each game involves the use of money in some way, such as saving, counting, and exchanging money. Check them out!  <http://pbskids.org/itsmylife/games/mad_money_flash.html>  This game gives players four different items to choose to save up for. It teaches players the value of money as they will have to buy a shopping list full of items before they can actually buy their item of choice. To make it challenging there are a few twists to the game that players will have to consider as they play.  <http://www.mrnussbaum.com/cashd.htm>  This game shows kids how to make change. They will buy a certain Item with more money than its worth and have figure out how much change they will get back.  <http://www.mathplayground.com/Count_The_Money.html>  The third game involves counting money. Players will be given a certain amount of money and will have to use coins to add up to the amount given. It forces players to think critically as they will have to add certain coins to a specific amount, to make the given amount. For example, one question may say, I have six quarters how many dimes will it take me to reach 1.70? |  | **Making**  **Change**  **Math Day**  **2008**  **@ Parker Elementary**  **Grades: 1, 2 and 3**  By:  Kristi Easterly  Missy Raduns  Jessica Hourigan  Mark Bieganowski |
| **Why is making**  **change**  **important?**  The math topic highlighted in our game is money. Money serves as a standard of value for measuring the worth or value of goods and services. Money also serves as a medium of exchange throughout the world. In the activity, we will address the currency of the United States. The coins that will be included in the activity are: penny, nickel, dime, and quarter. |  | **How is this relevant to your child’s life?**  Learning how to make change after buying an item allows your child to grasp the concept of the value of money and goods.  [Go to fullsize image](http://rds.yahoo.com/_ylt=A0S0203OfvlHVYwAOcWJzbkF;_ylu=X3oDMTBpZm5udGl1BHBvcwM1BHNlYwNzcgR2dGlkAw--/SIG=1iomokd81/EXP=1207619662/**http%3A/images.search.yahoo.com/images/view%3Fback=http%253A%252F%252Fimages.search.yahoo.com%252Fsearch%252Fimages%253Fei%253DUTF-8%2526p%253Dpenny%2526fr2%253Dtab-web%2526fr%253Dslv8-%26w=500%26h=500%26imgurl=static.flickr.com%252F17%252F21605530_4f449245ff.jpg%26rurl=http%253A%252F%252Fwww.flickr.com%252Fphotos%252Fdaveward%252F21605530%252F%26size=76.1kB%26name=1944%20Wheatback%20Penny%3A%20obverse%26p=penny%26type=JPG%26oid=6a076db5370013ce%26fusr=Dave%20Ward%20Photography%26tit=1944%20Wheatback%20Penny%3A%20obverse%26hurl=http%3A/www.flickr.com/photos/daveward/%26no=5&tt=851642) = penny  [Go to fullsize image](http://rds.yahoo.com/_ylt=A0S0200pf_lH9JAAfCCJzbkF;_ylu=X3oDMTBpdnJhMHUzBHBvcwMxBHNlYwNzcgR2dGlkAw--/SIG=1dtlt0ojd/EXP=1207619753/**http%3A/images.search.yahoo.com/images/view%3Fback=http%253A%252F%252Fimages.search.yahoo.com%252Fsearch%252Fimages%253Fp%253Dnickel%2526fr%253Dslv8-%2526ei%253Dutf-8%2526js%253D1%2526x%253Dwrt%26w=100%26h=98%26imgurl=monticello.org%252Fimages%252Fhighlights%252Fnickel.jpg%26rurl=http%253A%252F%252Fmonticello.org%252Fhighlights%252Fhoudon.html%26size=9kB%26name=nickel.jpg%26p=nickel%26type=JPG%26oid=67aadec2b64f4c54%26no=1&tt=544172)= nickel  [Go to fullsize image](http://rds.yahoo.com/_ylt=A0S020pYf_lH7lEAqoqJzbkF;_ylu=X3oDMTBpY2Y5NXNiBHBvcwM2BHNlYwNzcgR2dGlkAw--/SIG=1ervolh8b/EXP=1207619800/**http%3A/images.search.yahoo.com/images/view%3Fback=http%253A%252F%252Fimages.search.yahoo.com%252Fsearch%252Fimages%253Fp%253Ddime%2526fr%253Dslv8-%2526ei%253Dutf-8%2526js%253D1%2526x%253Dwrt%26w=144%26h=141%26imgurl=www.latinola.com%252Fstoryphoto%252F2004%252F09%252F09%252F09_09_1_dime.jpg%26rurl=http%253A%252F%252Fwww.latinola.com%252Fstory.php%253Fstory%253D2037%26size=20.7kB%26name=09_09_1_dime.jpg%26p=dime%26type=JPG%26oid=bed9f8e38caf03d2%26no=6&tt=166857)= dime  [Go to fullsize image](http://rds.yahoo.com/_ylt=A0S020p7gPlHnlEALRmJzbkF;_ylu=X3oDMTBqNWJ1b2J2BHBvcwM0OARzZWMDc3IEdnRpZAM-/SIG=1gr9eh8ct/EXP=1207620091/**http%3A/images.search.yahoo.com/images/view%3Fback=http%253A%252F%252Fimages.search.yahoo.com%252Fsearch%252Fimages%253Fp%253Dnew%252Bquarter%252Bdollar%2526js%253D1%2526ni%253D18%2526ei%253Dutf-8%2526fr%253Dslv8-%2526xargs%253D0%2526pstart%253D1%2526b%253D37%26w=269%26h=270%26imgurl=www.thecoinalley.com%252Fimages%252Fwquarterdollar1.jpg%26rurl=http%253A%252F%252Fwww.thecoinalley.com%252Fquarterdollar.html%26size=22.1kB%26name=wquarterdollar1.jpg%26p=new%20quarter%20dollar%26type=JPG%26oid=a599da0cb2f5fae4%26no=48&tt=302)= quarter |  | The **performance indicators** from the New York State Math Standards that best applies to this activity is under 2.M:   1. Know and recognize coins (penny, nickel, dime, quarter) and bills ($1, $5, $10, and $20). 2. Make change using combined coins and dollar amounts   **What our game requires:**  Our game requires the students to be able to make change after buying a few items that are given such as pencils, erasers, stickers, and other items with the money they received. |