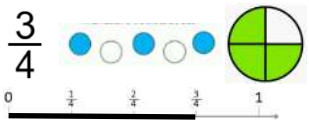
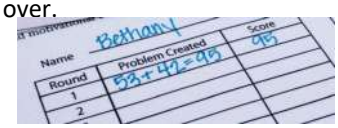
3rd Grade Math Board

Name: _____

Use a deck of cards with 10s and Face Cards removed to complete the activities below.
Complete one activity each weekday. When finished play multiplication war with your deck of cards. (Instructions on back)

	Week 1	Week 2	Week 3	Week 4
Monday	**3.N.1 Place Value** Using 4 cards create three 4-digit numbers . Record each. Write in order from greatest to least. Repeat several times.	**3.N.1 Place Value** Using 5 cards create three 5-digit numbers . Record each. Write in order from greatest to least. Repeat several times.	**3.N.1 Place Value** Using 6 cards create three 6-digit numbers . Record each. Write in order from greatest to least. Repeat several times.	**3.N.1 Place Value** Create six 4, 5, or 6 digit numbers and write each in expanded form and word form.
Tuesday	**3.N.2 .3 Computation(+)** Create two 4-digit numbers . Add. Record. Repeat four times.	**3.N.2.3 Computation (+)** Create two 4-digit numbers . Subtract. Record. Check your solution. Repeat four times.	**3.N.2 .4 Estimation (+)** Create two 4-digit numbers . Round and estimate the sum.	**3.N.2.4 Estimation (-)** Create two 4-digit numbers. Round and estimate each difference.
Wednesday	**3.N.2.8 Multiply** Create a 2-digit number and multiply by a 1-digit number. Record. Repeat 4 times.	**3.N.2.1 Modeling (x)** Turn over 2 cards. Represent the multiplication fact with an array, a number line, and repeated addition. Repeat 4 times.	**3.N.2.8 Multiply** Create a 2-digit number and multiply by a 1-digit number. Record. Repeat 4 times.	**3.N.2.8 Relating (x) (÷)** Turn over 2 cards and write a multiplication sentence and the related division sentence. Solve. Repeat 4 times.
Thursday	**3.N.3.1 Writing Fractions** Turn over 2 cards and create a fraction. Record the fraction with words and numerals. $\frac{3}{4}$ three one-fourths Repeat 4 times.	**3.N.3.2 Modeling Fractions** Turn over 2 cards and create a fraction. Model the fraction using a length, set, and area model. Repeat 4 times. 	**3.N.3.3 Decompose Fractions** Turn over 2 cards and create a fraction. Decompose the fraction by writing as an addition sentence. Repeat 4 times. $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$	***Closest to 100.*** To play , each player deals themselves four cards then determines how to arrange them so they make two two-digit numbers that add up close to 100 without going over. 
Friday	PLACE VALUE NUMBER BATTLE **(**With a Partner) Directions on back.	Make it Texas Size (With a Partner) Directions on back.	HIT THE TARGET (With a Partner) Directions on back.	MULTIPLICATION NUMBER BATTLE (With a Partner) Directions on back.

Week 5 is free choice. Select an activity each day to complete from the choice board.

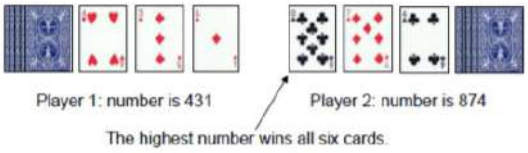
Laura Rogers TPS Elementary Instructional Math Coach

PLACE VALUE NUMBER BATTLE

Players: 2

Materials: Deck of cards with the faces cards and 10s removed, Ace worth one

How to Play: Players split a deck of cards and simultaneously flip over their top three cards to create a 3-digit number. Players may move the cards and place them in any position of the number they wish. The highest number wins all the cards.



Increase the number of cards to flip if you want to work on larger numbers.

Modified Multiplication War with a Deck of Cards

To practice an exact set of multiplication facts, as you turn over a playing card, multiply the entire set by (x2). Continue practicing with (x10), (x5), etc. When student is ready, turn over two cards and multiply both factors.

(Can be played independently as practice and not as War)

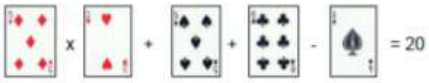
HIT THE TARGET

Players: 2

Materials: Deck of cards, Ace worth 1 or 11, Jack worth 12, Queen worth 13, King worth 14, scratch paper

How to Play: Select a target number from 1-30. One of the players turns five cards from the deck face up. Both players try to make a number sentence using all five cards with any operations to reach the target number.

For example, suppose the target number is 20 and the cards in play are 5, 5, 6, 2, and Ace (worth 1).



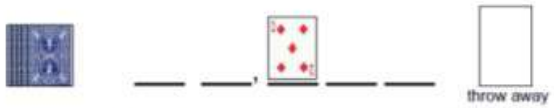
One winning combination is: 5 x 2 + 5 + 6 – 1 = 20. Other combination would also work. The first player to find a winning combination keeps the cards and chooses the next target number.

MAKE IT TEXAS SIZE

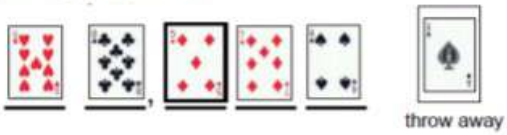
Players: 2

Materials: Deck of cards with the 10s removed, Ace worth 1, scratch paper

How to Play: Each player draws a game board like the one shown. Deal 6 cards to each player. This is a game of chance and strategy in which players are trying to create the largest number possible. Players must think carefully about where to place a card. ***Once placed, a card cannot be moved.***



Each player flips over one card at a time and decides where to place it to form the largest number possible. The throw away box is for any card they feel will not help in creating a large number.



The player with the largest number wins.

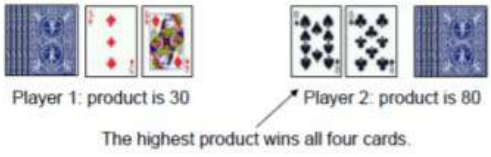
Variation: play to make the smallest number possible

MULTIPLICATION NUMBER BATTLE

Players: 2

Materials: Deck of cards, face cards worth ten, Ace worth 1 or 11 (players decide)

How to Play: Players split a deck of cards, simultaneously flip over their top two cards, and multiply the two numbers. The greatest product wins all the cards.



If the cards have the same product, the cards are placed in the center pile. The next hand is played normally and the winner takes all the cards.