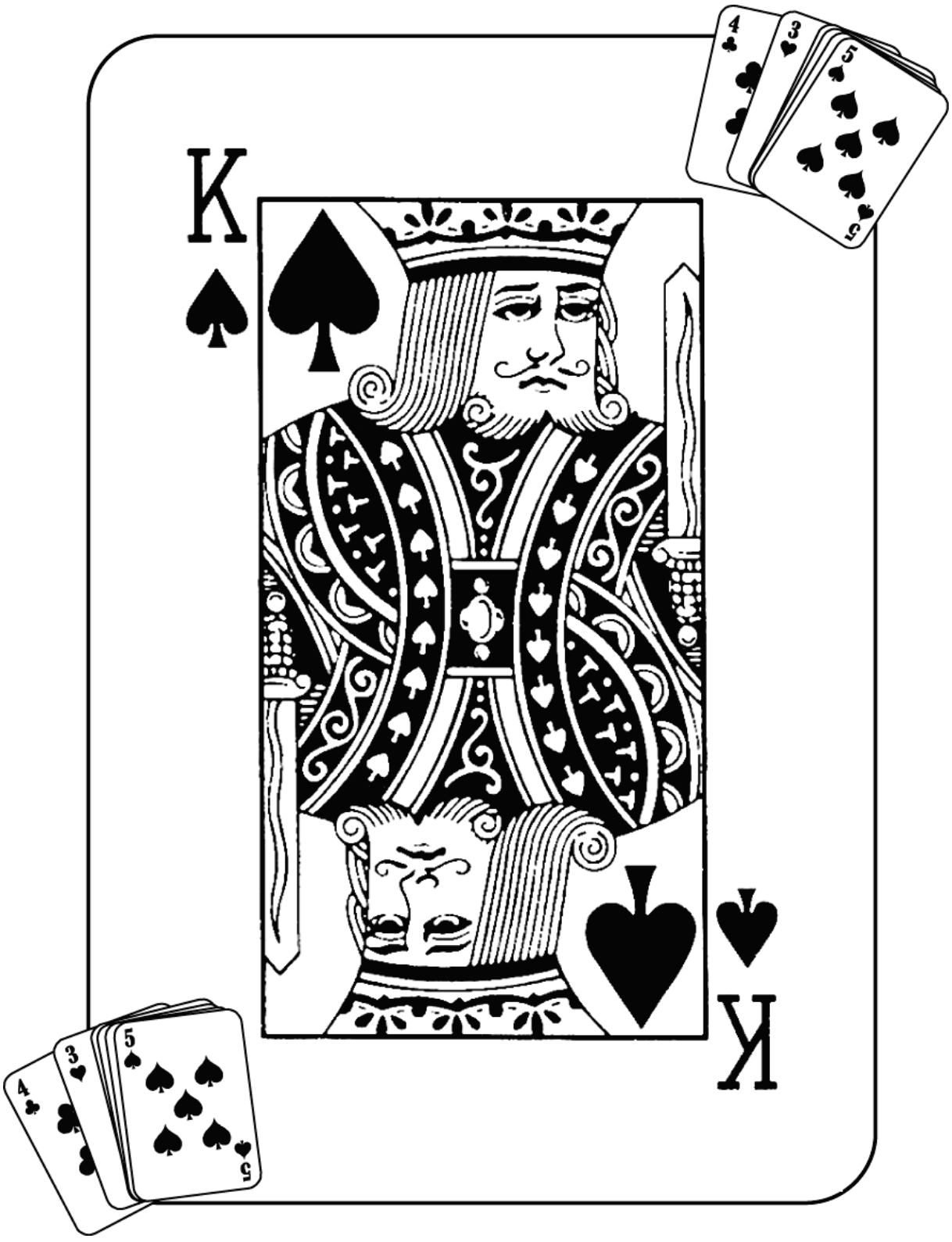
FAMILY MATH FUN

Handouts and Directions



HOW TO PLAY **Division Dash**

Note to Families: This is one of several number games we play in class. Use this sheet to review the directions with your child. When you play the game together at home, be sure to give your child time to think about how what they know about multiplication can help with division. Please keep both the game directions and the number cards in a safe place at home for continued use.

Player 1		Player 2	
Quotient	Score	Quotient	Score

Materials: Deck of Cards *(remove the face cards, Aces count as 1's)*
Score sheet

Players: 1 or 2

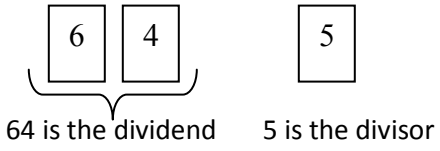
Object: To reach 100 in the fewest divisions possible.

How to Play

1. Prepare a score sheet like the one shown at the right.
2. Shuffle the cards and place the deck number-side down on the table.
3. Each player follows the instructions below:
   - Turn over 3 cards and lay them down in a row, from left to right. Use the 3 cards to generate a division problem. The 2 cards on the left form a 2-digit number. This is the *dividend*. The number on the card at the right is the *divisor*.
   - Divide the 2-digit number by the 1-digit number and record the result. This result is your *quotient*. Remainders are ignored. Calculate mentally or on paper.
   - Add your quotient to your previous score and record your new score. (If this is your first turn, your previous score was 0.)
4. Players repeat step 3 until one player's score is 100 or more. The first player to reach at least 100 wins. If there is only one player, the object of the game is to reach 100 in a few turns as possible.

Example

Turn 1: Bob draws 6, 4, and 5. He divides 64 by 5. Quotient = 12. Remainder is ignored. The score is 12 + 0 = 12.



Turn 2: Bob then draws 8, 2, and 1. He divides 82 by 1. Quotient = 82. The score is 82 + 12 = 94.

Turn 3: Bob then draws 5, 7, and 8. He divides 57 by 8. Quotient = 7. Remainder is ignored. The Score is 7 + 94 = 101.

Bob has reached 100 in 3 turns and the game ends.

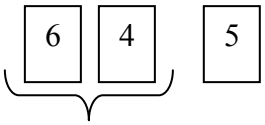
Quotient	Score
12	12
82	94
7	101

Cómo Jugar: Division Dash (División)

1. *Prepare una hoja para anotar los resultados, como la que se muestra a la derecha.*
2. *Baraje las cartas y ponga la baraja bocabajo sobre la mesa.*
3. *Cada jugador sigue las instrucciones siguientes:*
   - *Voltea 3 cartas y las pone en fila de izquierda a derecha. Con estas 3 cartas trata de crear un problema de división. Las 2 cartas de la izquierda, forman un número de 2 dígitos. Este es el dividendo. El número de la carta de la derecha, es el divisor.*
   - *Divida el número de 1 dígito, entre el de 2 dígitos y anote el resultado. El resultado es su cociente. Se ignoran los residuos. Haga el cálculo mentalmente o en un papel.*
   - *Sume su cociente a su resultado anterior y anote su nuevo resultado. (Si este es su primer turno, su resultado anterior era 0).*
4. *Los jugadores repiten el paso 3 hasta que los resultados de uno de los jugadores sea 100 o más. El primer jugador que tenga por lo menos 100, gana. Si solo hay un jugador, el objeto del juego llegar a 100 en el menor número de turnos posible.*

Ejemplo:

Turno 1: Bob saca 6, 4, y 5. Él divide 64 entre 5. Cociente = 12. Se ignora el residuo. El resultado es 12 + 0 = 12.



64 es el dividendo 5 es el divisor

Turno 2: Ahora Bob saca 8, 2, y 1. Él divide 82 entre 1. Cociente = 82. El resultado es 82 + 12 =

Turno 3: Bob saca 5, 7, y 8. Él divide 57 entre 8. Cociente = 7. Se ignora el residuo. El resultado es 7 + 94 = 101. Bob llegó a 100 en 3 turnos y se termina el juego.

Quotient	Score
12	12
82	94
7	101

HOW TO PLAY **Division Top-It**

Note to Families: This is one of several number games we play in class. Use this sheet to review the directions with your child. When you play the game together at home, be sure to give your child time to think about how what they know about multiplication can help with division. Please keep both the game directions and the number cards in a safe place at home for continued use.

Materials: Deck of Cards *(remove 10's and face cards, Aces count as 1's)*
Score sheet
Calculator (optional)

Players: 2 to 4

Object: To collect the most cards

How to Play

1. Each player turns over 3 cards and uses them to generate a division problem as follows:
    - Choose 2 cards to form the *dividend*.
    - Use the remaining card as the *divisor*.
    - Divide and drop any remainder.
2. The player with the largest *quotient* takes all the cards. If necessary, check answers with a calculator.
3. In case of a tie, each player turns over 3 more cards and calls out the *quotient*. The player with the largest quotient takes all the cards from both plays.
4. The game ends when there are not enough cards left for each player to have another turn. The player with the most cards wins.

Cómo Jugar: Division Top-It (División Acumulada)

1. Cada jugador voltea 3 cartas y las usa para generar un problema de división, así:
    - Escoge 2 cartas para formar el *dividendo*.
    - Usa la carta que le queda para que sea el *divisor*.
    - Las divide e ignora el residuo.
2. El jugador con el *cociente* más grande gana todas las cartas. Si es necesario, se pueden verificar las respuestas con una calculadora.
3. En caso de empate, cada jugador voltea 3 cartas más, se hace una nueva división y el jugador con el *cociente* más grande, gana las cartas de las dos jugadas.
4. El juego termina cuando ya no quedan suficientes cartas para que cada jugador tenga otro turno. El jugador que tenga más cartas es el ganador.

Variations:

- Each player turns over 4 cards, and uses 3 of them to form a 3-digit number, which is divided by the remaining number.