



FLASHING FACTORS

A fun card game to help your
students consolidate their
multiplication and factorization
skills.



HOW TO PLAY



SETTING UP THE CARDS

1. Duplicate the background slide, and print your number cards back to back with the striped background. This is the set of factor cards.
2. Create the Target cards, by printing the targets back to back as you did with the number cards.
3. Laminate the cards for durability- You may choose to print off and laminate the playing mats.

HOW TO PLAY

For 2-4 players

1. Shuffle the 70 factor cards (numbers 1-12), and deal 7 cards to each player. Place the rest of the deck face down on the table.
2. Shuffle the target cards and turn over the top card revealing the target number.
3. Let's say the target card is **36**, the player to the left of the dealer will look at the cards in their hand and see if any of them are a factor of **36**.
4. If that player has a factor they will place it next to the target card, for instance, if it the player has a 4, they will say $9 \times 4 = 36$, and then the play will go to the next person to the left and continue until a player does not have a card that is a factor of the target number. That person then has to pick up ALL of the cards that have already been played.
5. The next player will turn over the next target card from the top of the pile, and play will continue.
6. The winner is the person who manages to get rid of all of the cards in their hand first.
7. Each player MUST say the multiplication fact when playing their card.



HOW TO PLAY

SETTING UP THE CARDS

Each player MUST say the multiplication face when playing their card.

Factor cards played here

9



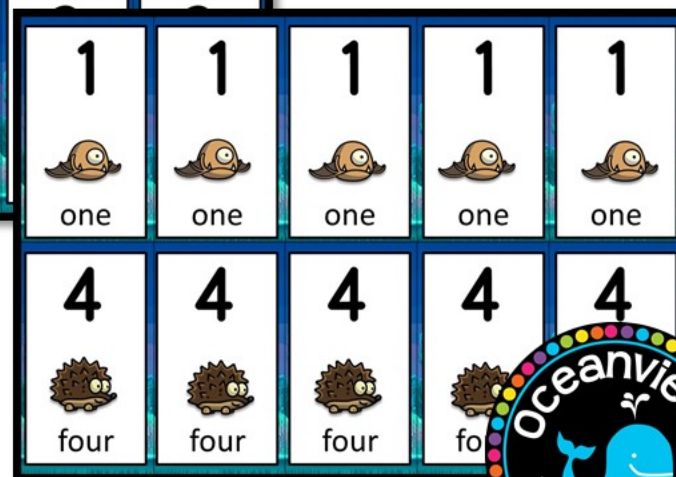
nine

Target cards played here

36



NUMBER CARDS





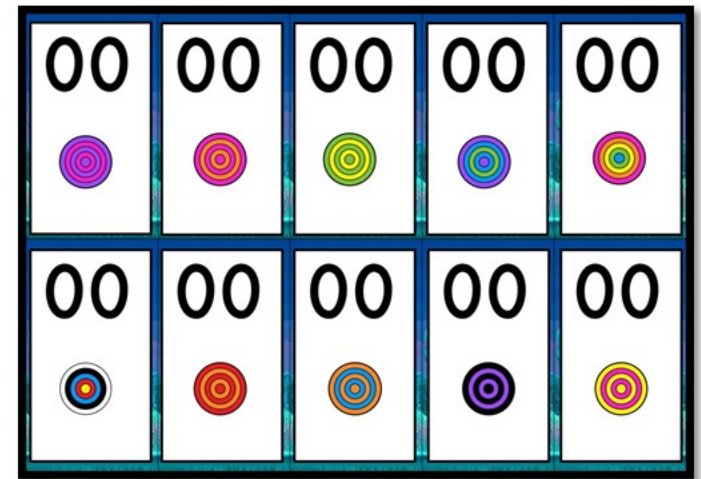
55 	66 	60 	50 	40 
64 	63 	77 	70 	75 

36 	12 	15 	20 	18 
27 	30 	24 		

33 	10 	11 	28 	30 
36 	44 	22 	48 	50 

1  one	1  one	1  one	1  one	1  one
4  four	4  four	4  four	4  fo	4  four





Multiplication Tables for easy reference

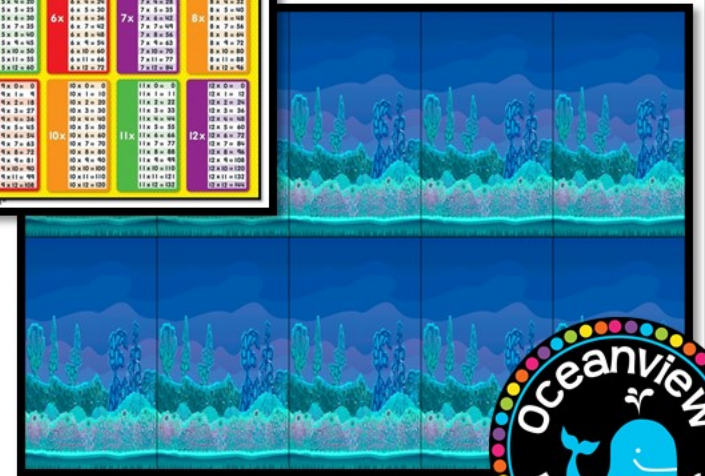
Multiplication				Multiplication			
1x	2x	3x	4x	1x	2x	3x	4x
5x	6x	7x	8x	5x	6x	7x	8x
9x	10x	11x	12x	9x	10x	11x	12x

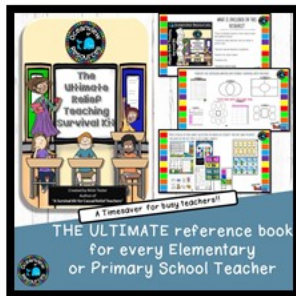
What are Factors

- A multiple is a number that can be divided by another number a certain number of times without a remainder.
- A factor is one of two or more numbers that divides a given number without a remainder.
- Multiples and factors are best explained by using a number sentence such as the following:

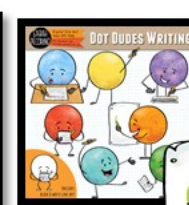
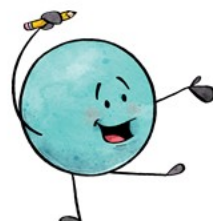
$$5 \times 4 = 20$$

factor of 20
factor of 20
multiple of 4
multiple of 5
- This number sentence tells us that 20 is a multiple of 5 and is also a multiple of 4.
- It also tells us that 5 and 4 are factors of 20.





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