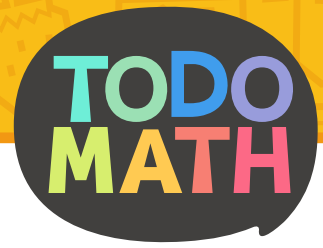


TODO MATH

Activity Book



Activity Book



Welcome!

Thank you for downloading the free Todo Math Activity Book.

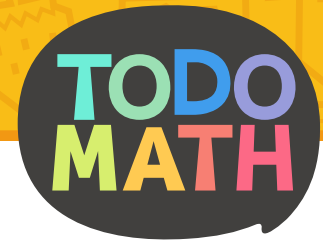
We created these family-friendly activities to help children hone their math skills and to supplement their play using our multiple award-winning Todo Math app. This book is filled with card games, 120-chart activities and skip-counting puzzles.

Todo Math is available free (with in-app purchase) in the App Store and Google Play. Please visit us at TodoMath.com for more information.

Enjoy!

The Todo Math Team

Card Game Activities



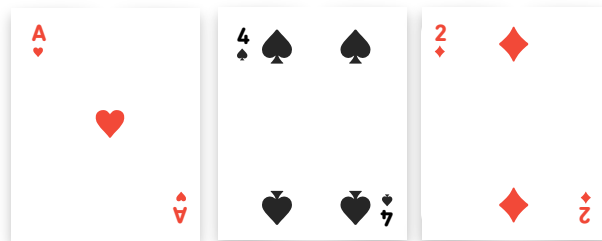
Make 5

This simple card game is for 2 people and helps children practice composing the number 5. Children also learn that addition is commutative (i.e. $2+3=3+2$).

Instructions

1. Using the Todo Math deck of cards, set aside all the face cards (Jack, Queen, King) and cards with values of 6 through 10.
2. Shuffle the remaining cards.
3. Deal 3 cards face up.

Example:



4. Ask the child if she can identify a 5 card or make 5 with two cards (i.e. 4 and a 1 card [Ace] or 2 and a 3 card). A turn is complete when the child identifies a 5 card or makes 5 with two cards (set cards aside after turn).
5. Repeat steps for the next player's turn.

If 5 can't be made with the cards dealt, a player can pick up one of the cards and make a wish for a complement. Example: Dealer deals a 4 and two 2s. Player picks up one of the 2s and says, "I wish for a 3." Dealer takes the 2 from the player and gives them a 3. Player is able to make 5 by picking up the 2 and 3 cards.

Helpful Tip: Is your child having trouble keeping a mental picture of 5? Keep a dice with the 5 dot pattern visible while playing this game. If kids are having a hard time, ask them if they see "hidden" numbers in the dot pattern. The hidden number 4 is revealed when you hide the dot in the middle. The hidden number 3 is revealed when you hide 2 corner dots.

Todo Math games to reinforce

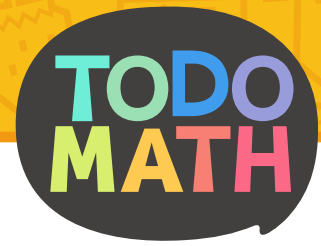


Equation Maker



Falling Blocks

Card Game Activities

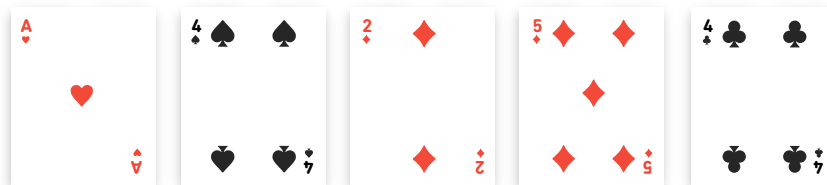


Make 6

This simple card game is for 2 people and helps children practice composing the number 6. Children also learn that addition is commutative (i.e. $2+4=4+2$).

Instructions

1. Using the Todo Math deck of cards, set aside all the face cards (Jack, Queen, King) and cards with values of 6 through 10.
2. Shuffle the remaining cards.
3. Deal 5 cards face up.



4. Ask the child if she can make 6 with the cards (i.e. 4 and a 2 card or 5 and a 1 card). A turn is complete when the child makes as many 6s as she can with the cards. Have them select the card (or cards) from the play space and set them aside.
5. Now it's the other player's turn. Dealer replaces the cards that were removed and now the other child takes a turn.
6. If the dealer deals 5 cards that don't make a 6, the player can pick up one of the cards and make a wish for a complement. Example - Dealer deals four 4s and 1 ace. Player picks up one of the 4s and says, "I wish for a 2 card. Dealer takes the 4 from the player and gives them a 2. Player is able to make 6 by picking up the 4 card and 2 card and ending their turn.

Helpful Tip: Some children find it hard to keep a mental picture of the 6 pattern in their head. If this is the case, keep a dice with the 6 dot pattern visible while playing this game. Refer to the dot pattern if the child has a hard time making 6. Ask them if they see "hidden" numbers in the dot pattern. The hidden number 4 is revealed when you hide the 2 dots at the bottom or top. The hidden number 3 is revealed when you hide 3 dots in a column. These supports are necessary for some children who have not yet learned to subitize 6.

Todo Math games to reinforce

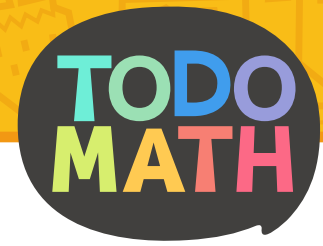


Falling Blocks



Domino Math

Card Game Activities



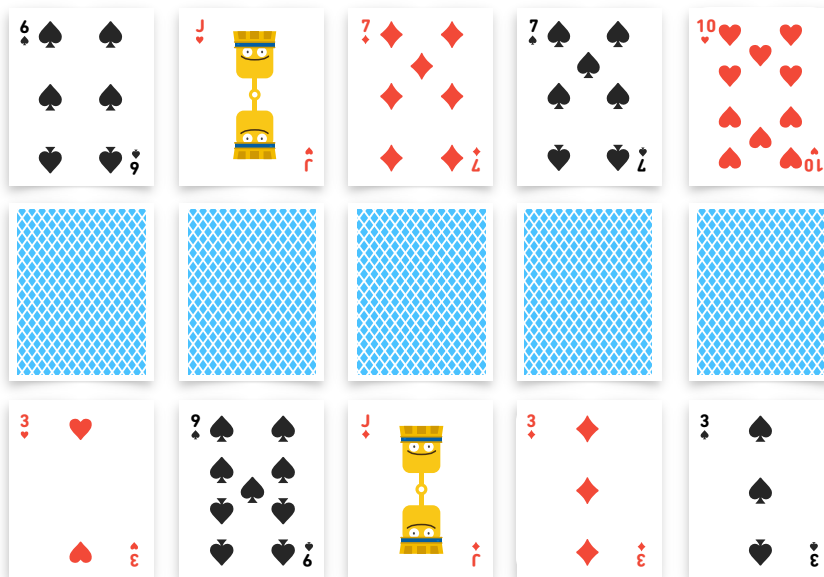
Ten Speed

This simple card game is for 2 people and helps children practice composing the number 10.

Instructions

1. Print and combine 2 decks of Todo Math cards. In this game, aces are low (1) and face cards (jack, queen, king) are 10.
2. Divide the deck into 5 equal piles with cards facing down (you can estimate the piles to save time).
3. Dealer deals 5 cards face-up to each player (see below)
4. Someone says go and players race to find 1 to 5-card combinations that equal ten.
5. Players replace their cards from the 5 equal piles in the center until all cards have been played.
6. Player to have the most combinations of 10 wins the game.

Example:



Helpful Tip: When a 10 can't be made with the cards that have been dealt, try making 20 or 30?

Todo Math games to reinforce



Falling Blocks



Domino Math

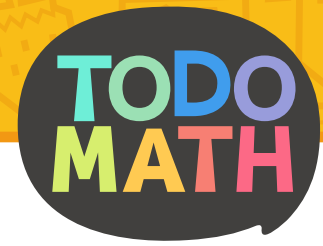


Equation Maker



Quick Addition

Card Game Activities



Kings Corner

This card game is for 2 to 4 people and helps children practice ordering and sequencing of values Ace (1) - King (13). This game is similar to solitaire but for additional players. The player who discards their cards first wins the game.

Instructions

1. Deal seven cards to each player.

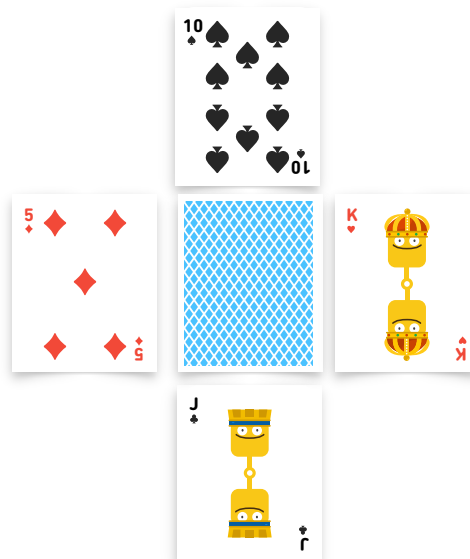
The balance of the cards are laid out as shown below (one card on all four sides and the rest of the deck face-down in the middle - aka “the stockpile.”)

2. Each player draws a card from the stockpile. The player that draws the highest card goes first. Replace the cards into the stock pile and begin play.

3. Player begins each turn by taking a card from the stockpile. If the player has a King in their hand, they must place it in one of the corners. If there is a King as part of the layout (as shown below), the player moves the King to one of the corners. When a blank space is created, the player may place one of their cards into the blank space.

4. Player discards their cards in correct sequence, numerically large numbers to smaller numbers red onto black or vice versa. Player turn ends when no more cards from the layout or from the player’s hand can be played.

5. The next player begins their turn by taking a card from the stockpile and proceed to play whatever cards they have in their hand.



Todo Math games to reinforce

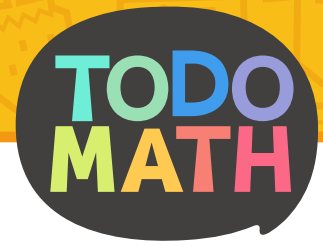


Counting



100 Board Quiz

Card Game Activities



War and Addition War

This simple card game is for 2 - 4 people and helps children practice number and magnitude skills (greater than and less than). Children also learn addition when playing Addition War.

Instructions

1. This game is best played with a deck of cards per player. Alternatively, you can use one deck of the Todo Math cards and deal them evenly between players. If playing with 3 players, leave one card out.
 2. Each player turns up a card at the same time. The player with the highest card takes both of the cards.
 3. If the cards are the same rank, it is War. The players in the War discard 3 cards face down and turn the 4th card face up. The player with the highest card face up takes all the cards.
- When a player takes the cards, she puts them face down on the bottom of her deck.
4. The player to “win” all the cards wins the game.

Helpful Tip: To play Addition War, have each player turn up 2 cards in order to add them together. Alternatively, players can multiply two cards instead of adding them together. The highest sum or product takes all the cards.

Todo Math games to reinforce



Falling Blocks



Domino Math



Equation Maker

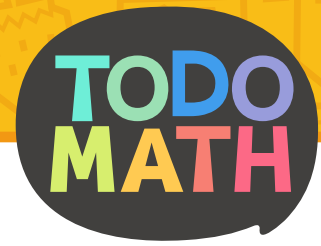


Quick Adding



Quick Multiplying

120 Chart Games



120 Chart Games

The 120 chart is a useful tool for children learning to count. There are a lot of fun ways to use it — try these kid-tested, educator-approved activities at the dinner table or during an afternoon snack!

Activity 1 - Number Chart Puzzles

Print out the Todo Math 120 chart on colored card stock. Laminate for extra durability. Cut the 120 chart into 7 to 10 puzzle pieces and have your child put them back together again.

Helpful Tip: For additional challenge, ask your child to piece the puzzle counting backwards or skip counting by 5s and 10s.

Activity 2 - Guess My Number

Print a copy of the Todo Math 120 chart. Laminate for extra durability. This game is especially fun when parents and children take turns guessing numbers. The rules are simple: create 3 clues and ask your partner to solve the riddle. Here are a few riddles to get you started.

I am....

1. A single digit number
 2. Less than 10
 3. Greater than 8
- What number am I?
Answer: 9

I am....

1. A 2 digit number
 2. I am even
 3. I am the sum of $5 + 5 =$
- What number am I?
Answer: 10

I am....

1. A number greater than 50
 2. Less than 60
 3. The ones digit is = to the number of angles in a rectangle.
- What number am I?
Answer: 54

Todo Math games to reinforce

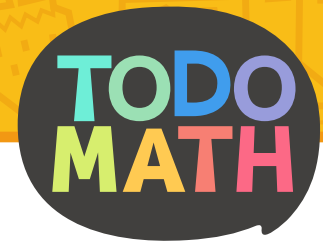


Counting



100 Board Quiz

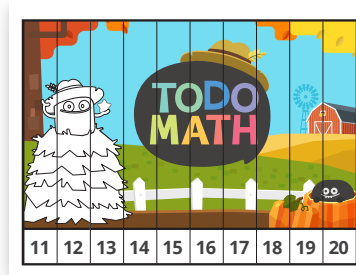
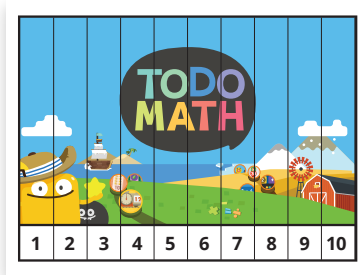
Skip Counting Puzzles



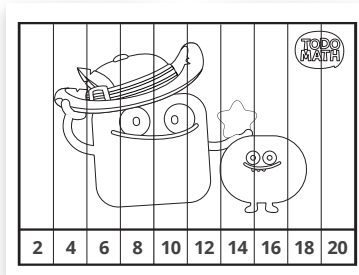
Skip Counting Puzzles

Print out the following skip counting puzzles. Laminate for extra durability. Cut on the lines and ask your child to piece the puzzle back together. Count the numbers out loud while solving the puzzle.

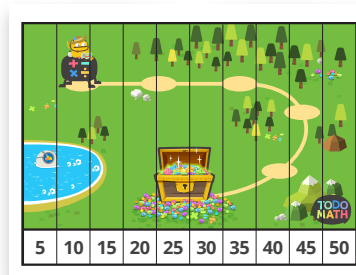
Counting by 1s



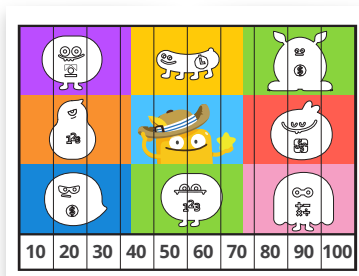
Counting by 2s



Counting by 5s



Counting by 10s



Todo Math games to reinforce



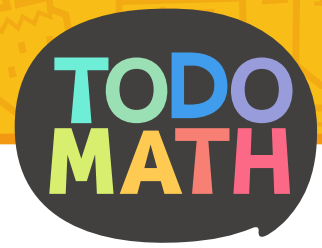
Counting



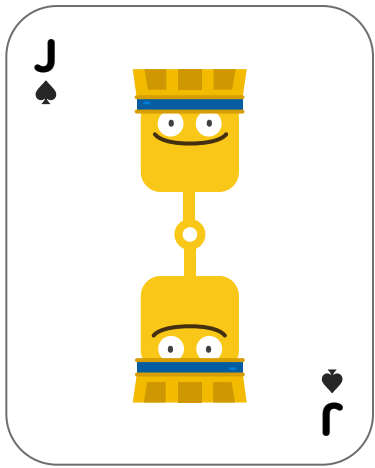
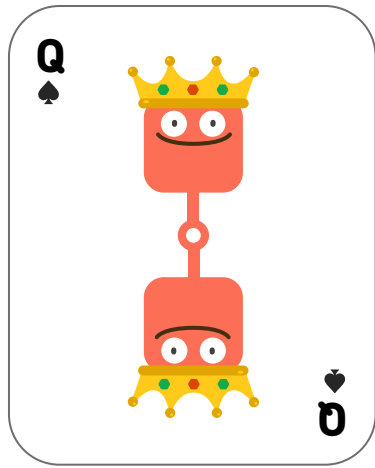
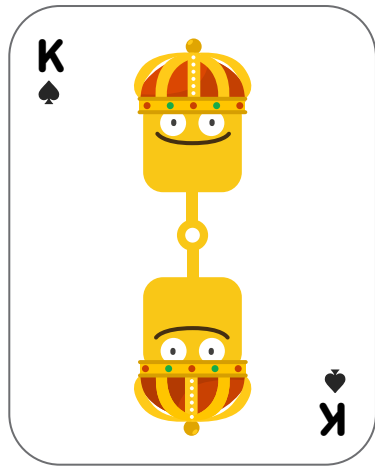
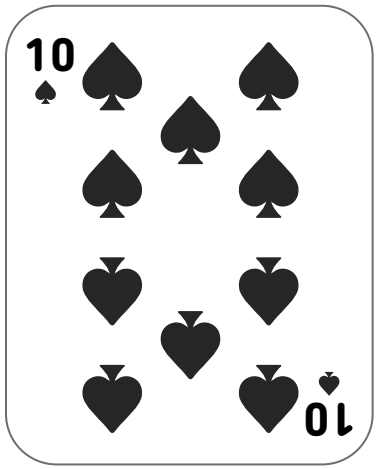
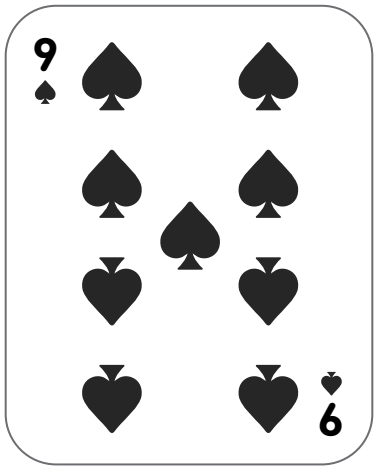
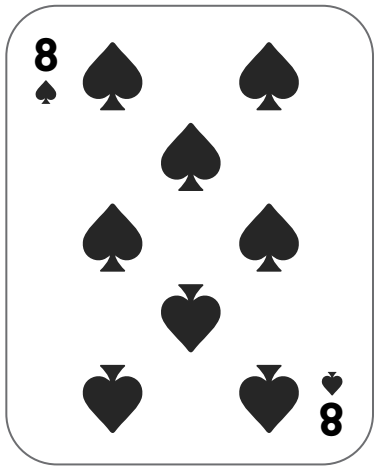
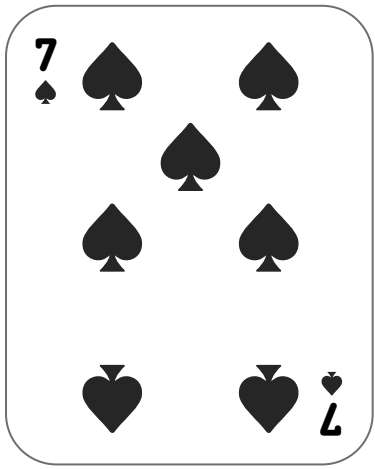
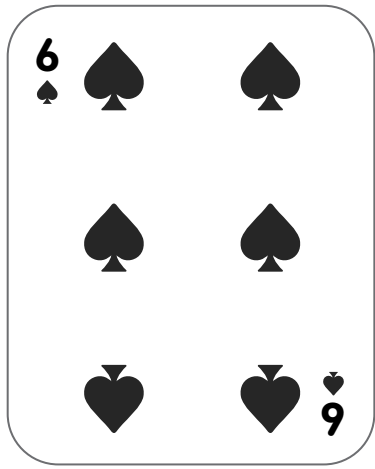
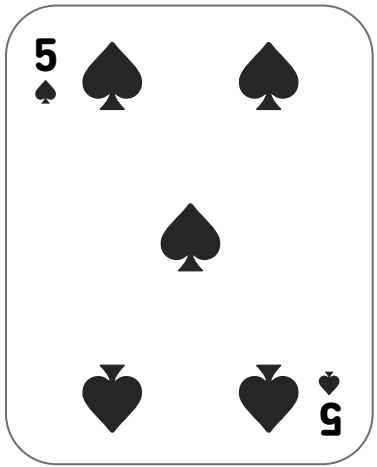
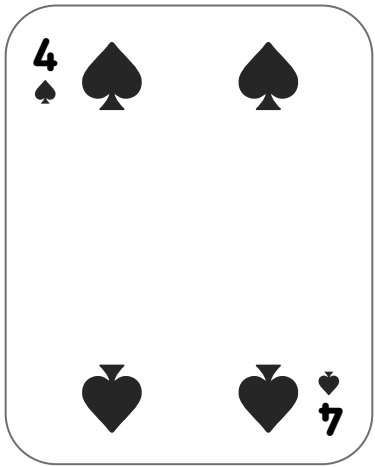
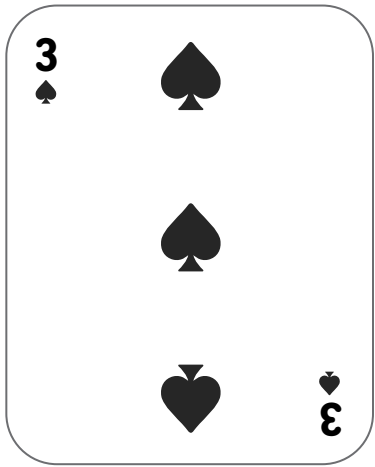
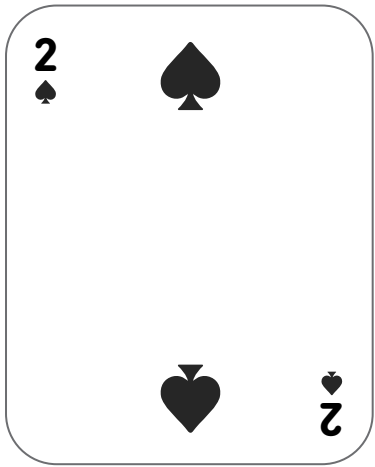
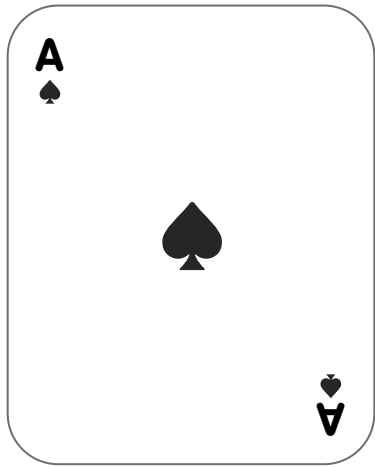
100 Board Quiz

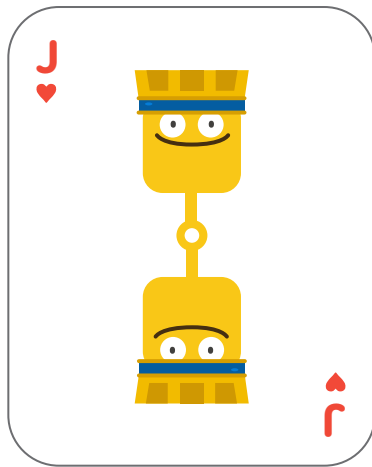
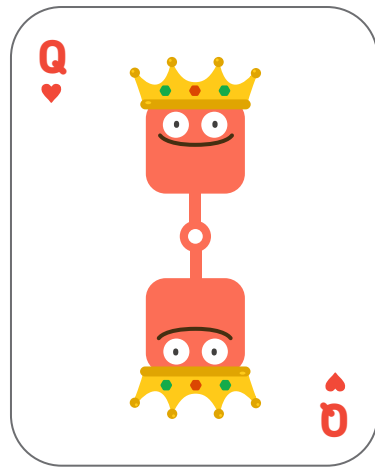
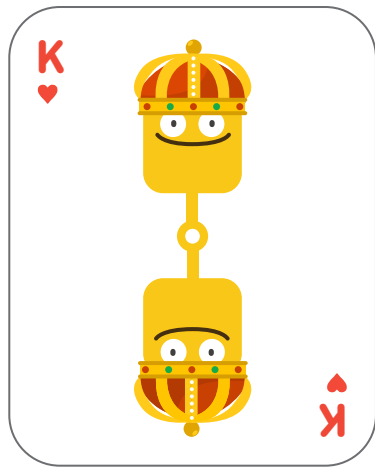
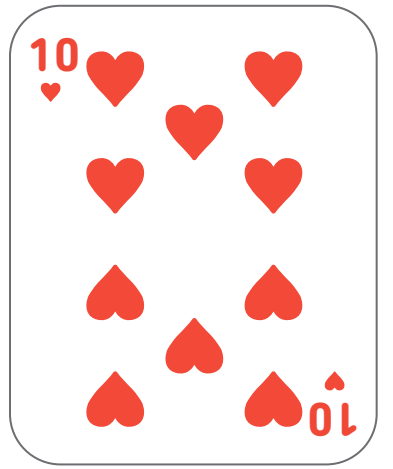
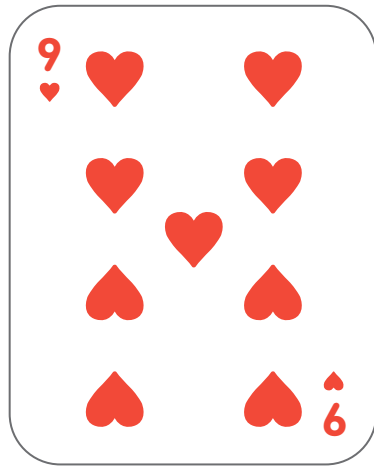
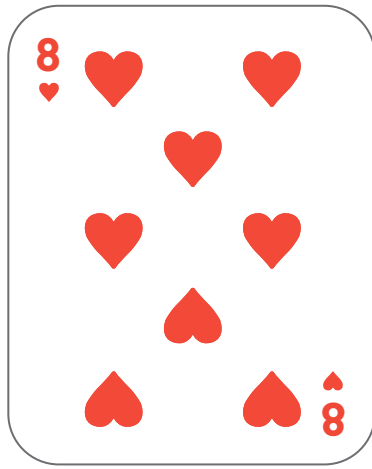
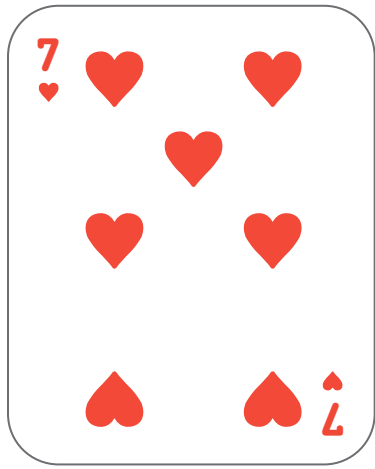
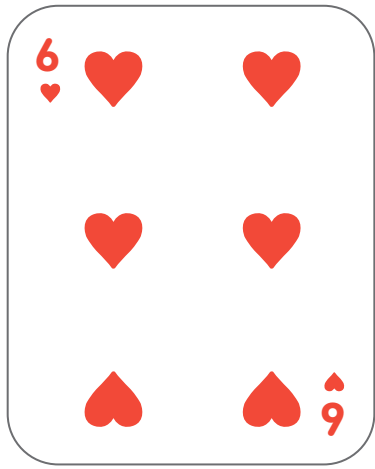
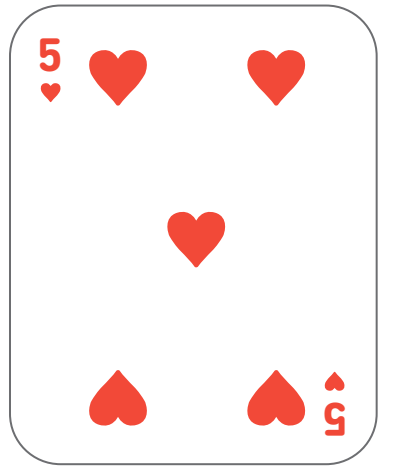
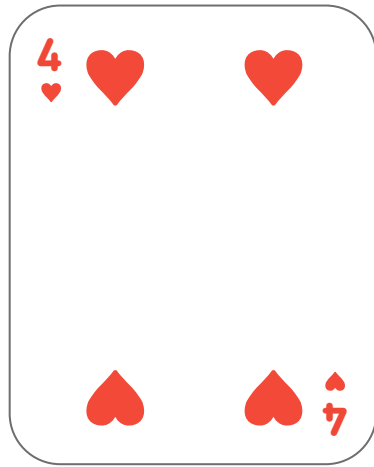
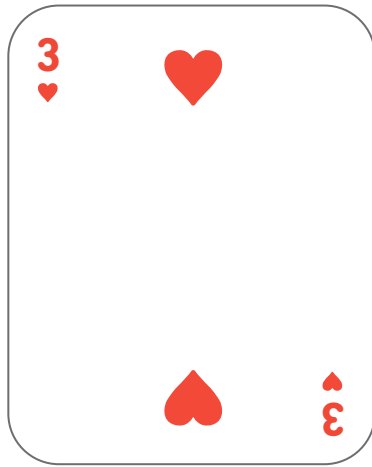
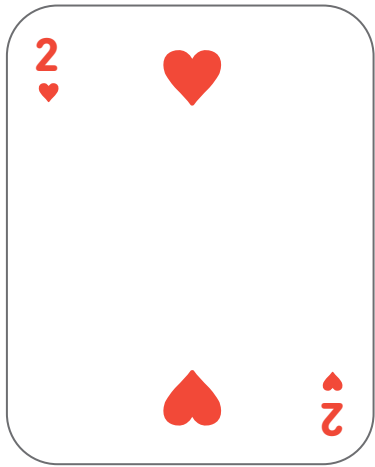
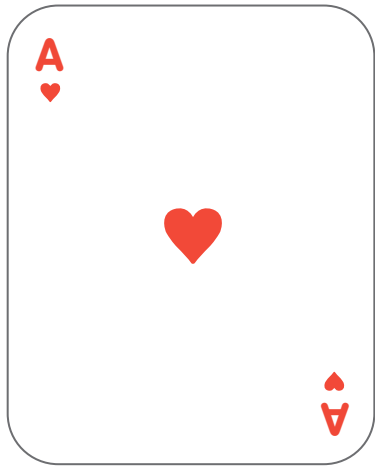


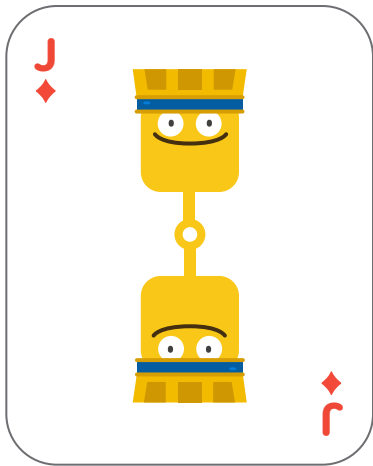
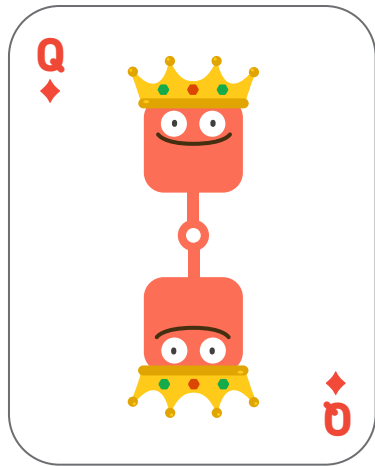
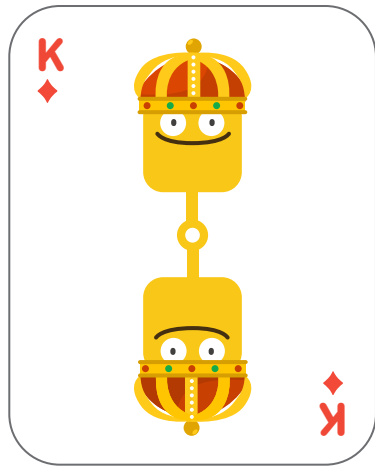
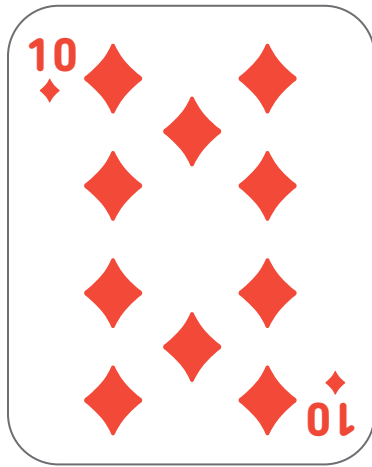
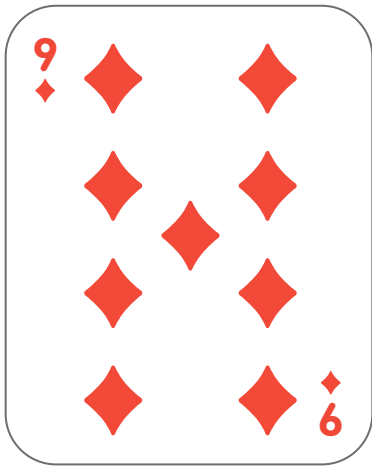
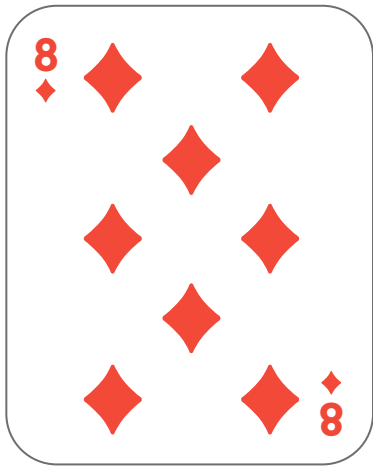
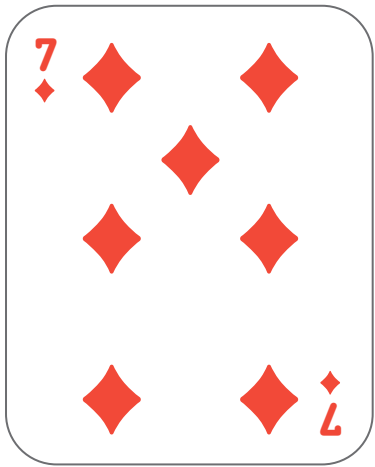
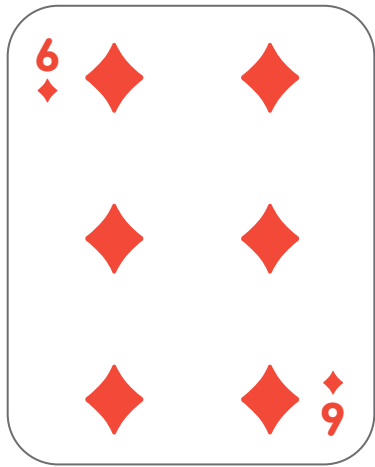
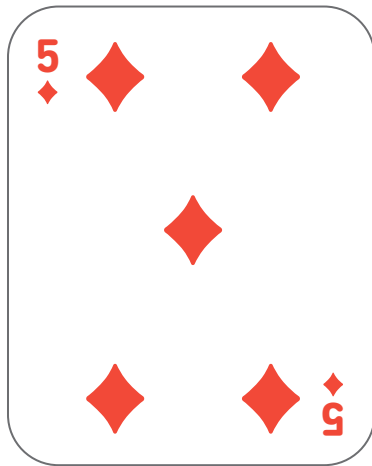
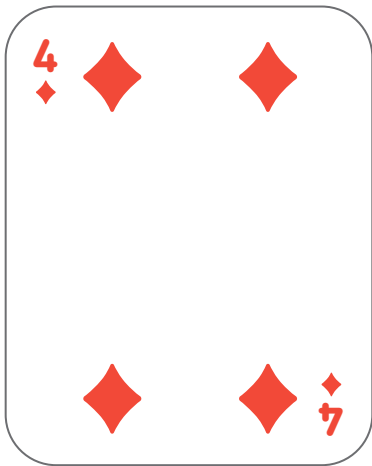
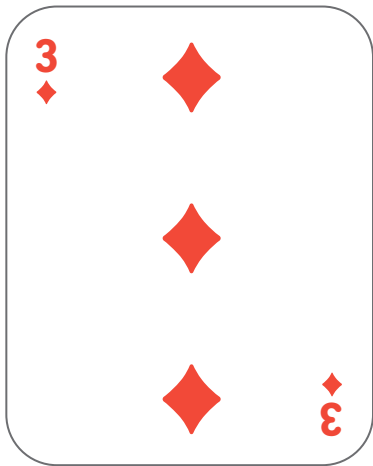
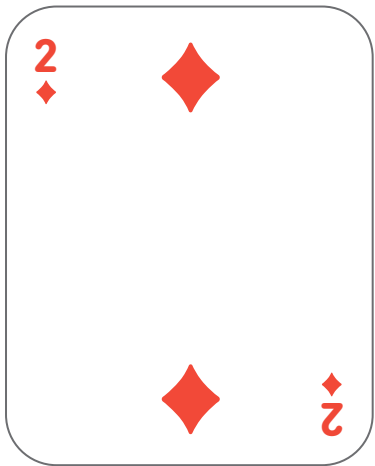
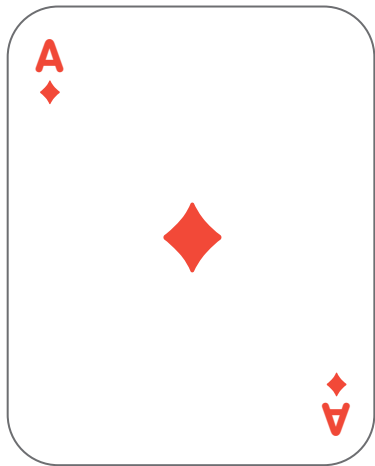
Basic Counting

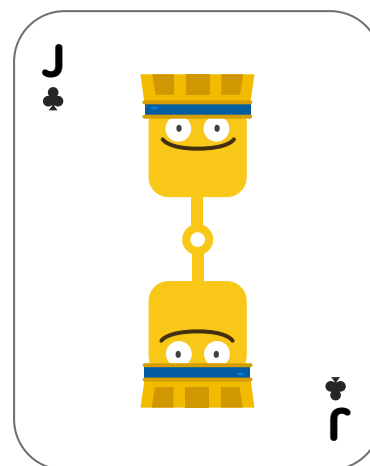
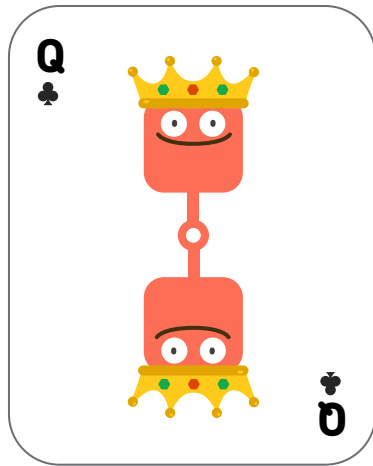
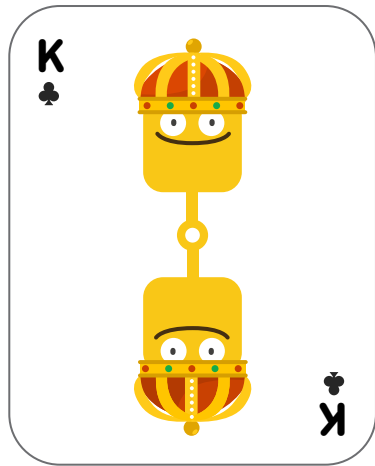
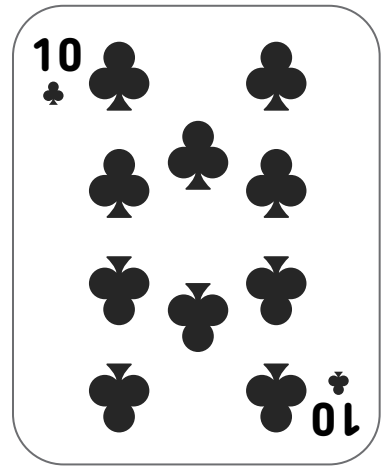
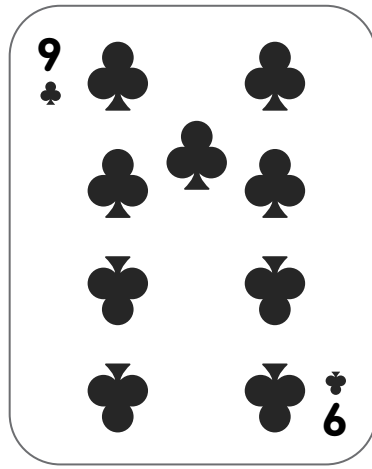
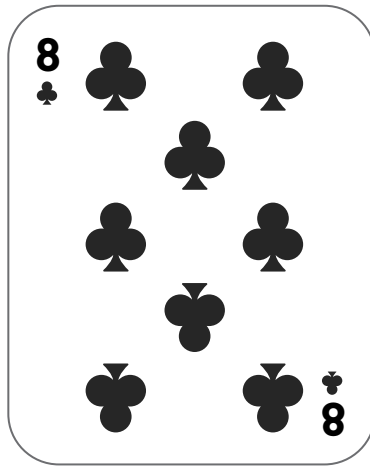
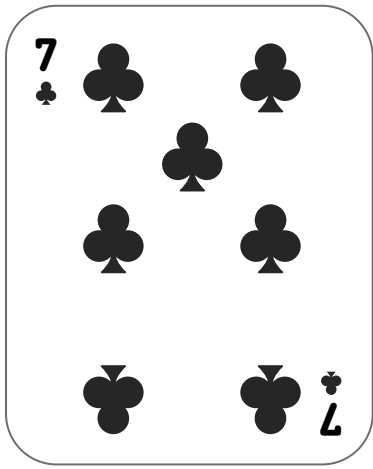
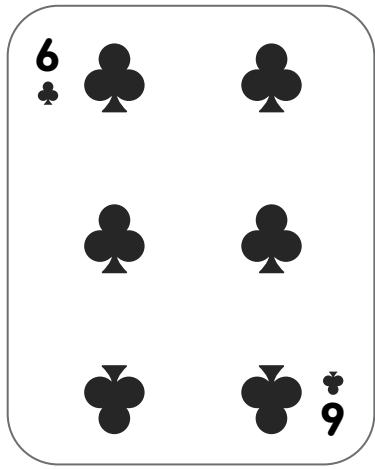
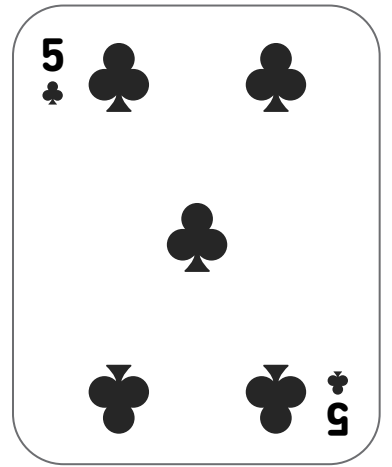
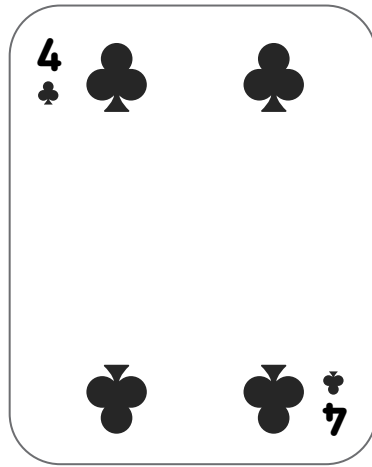
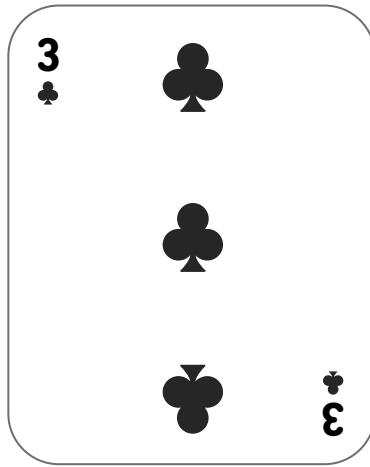
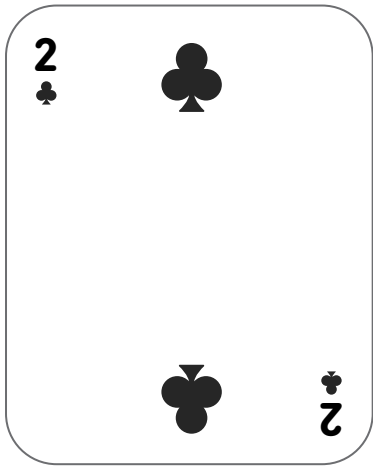
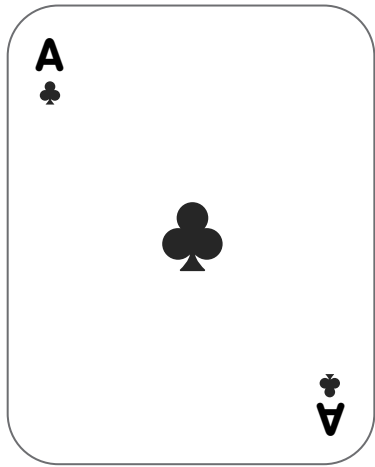


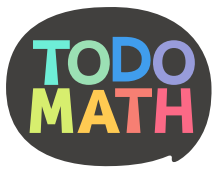
PRINTABLES







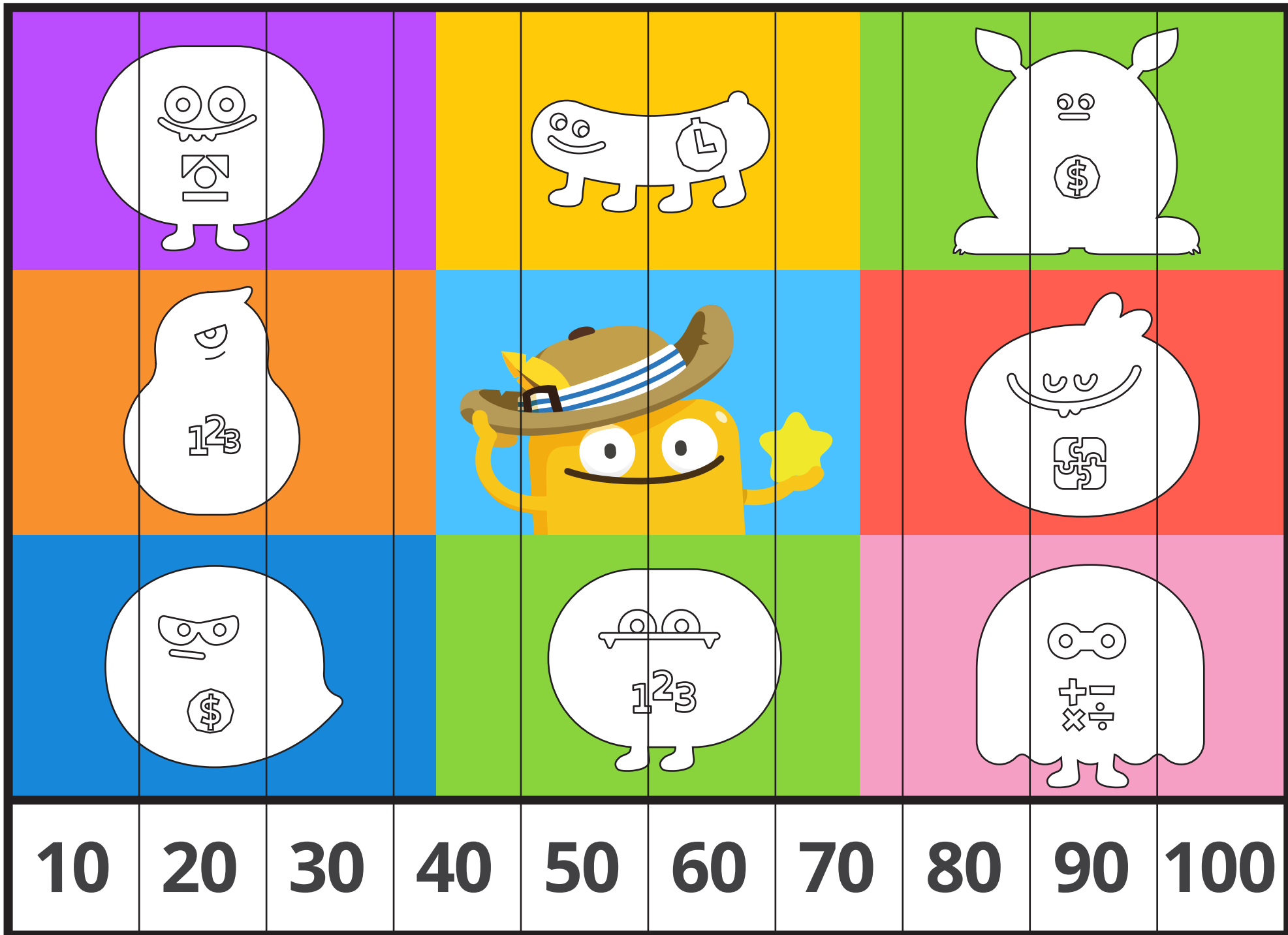


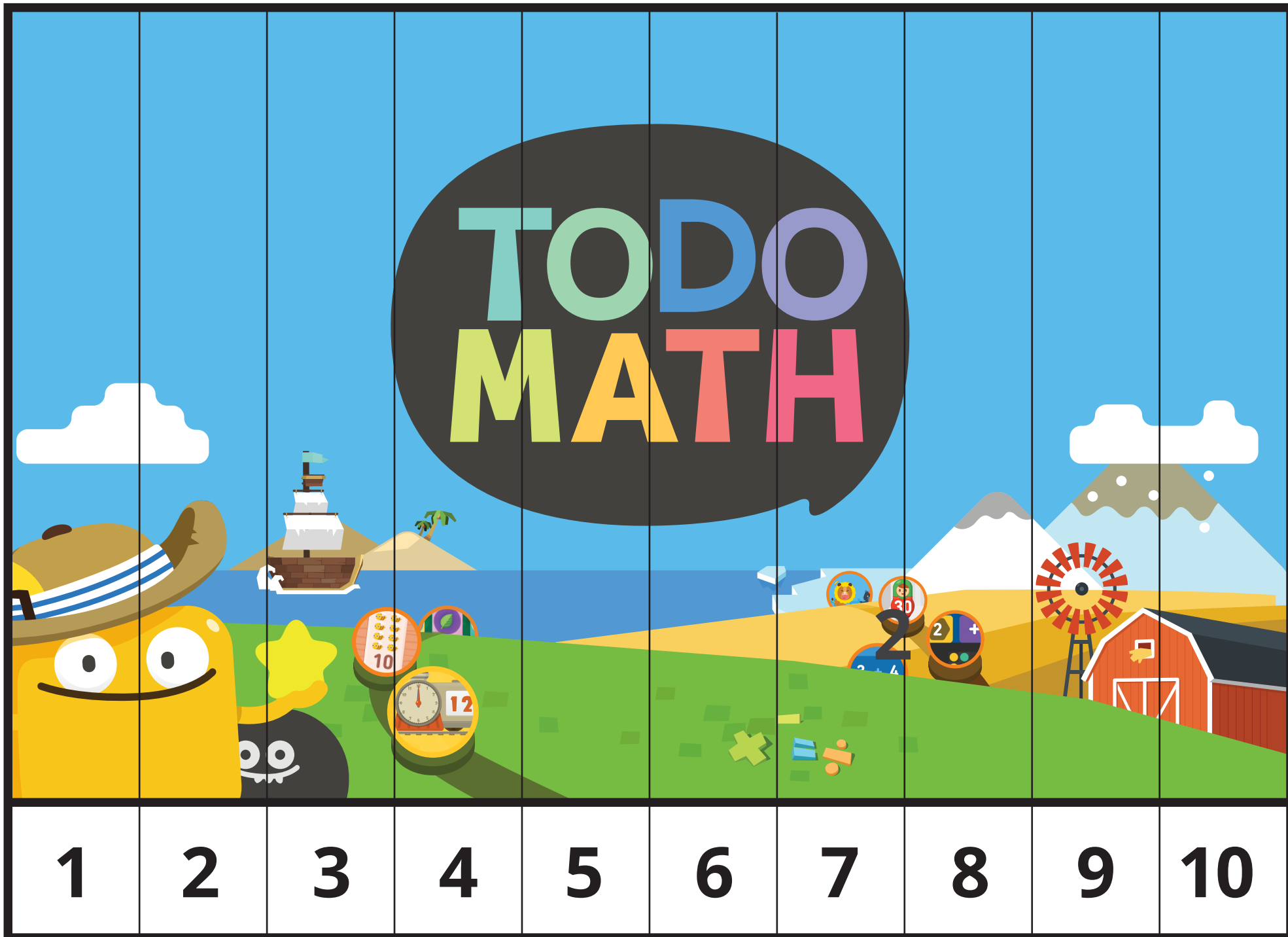


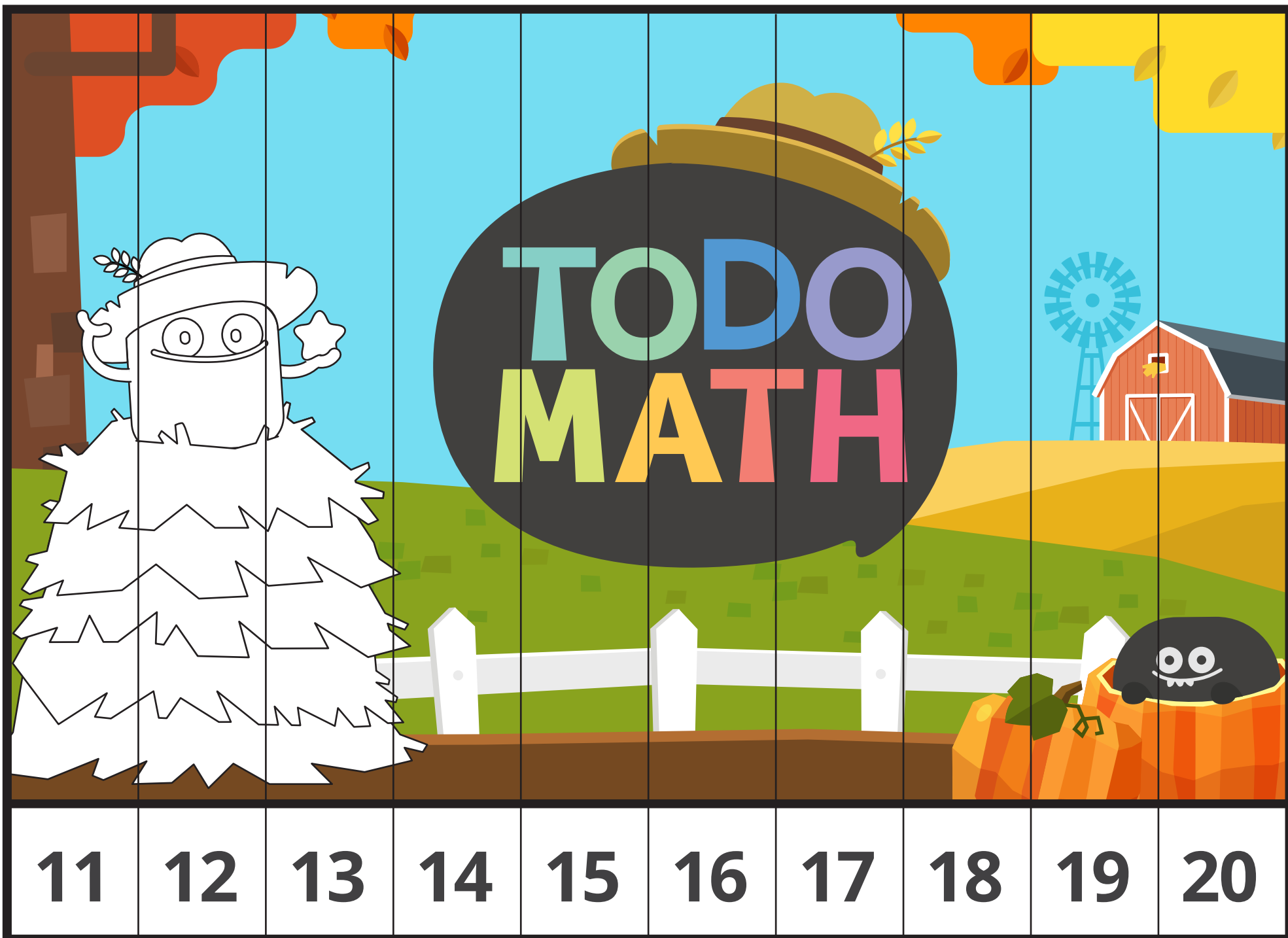
120 Chart Games



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21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
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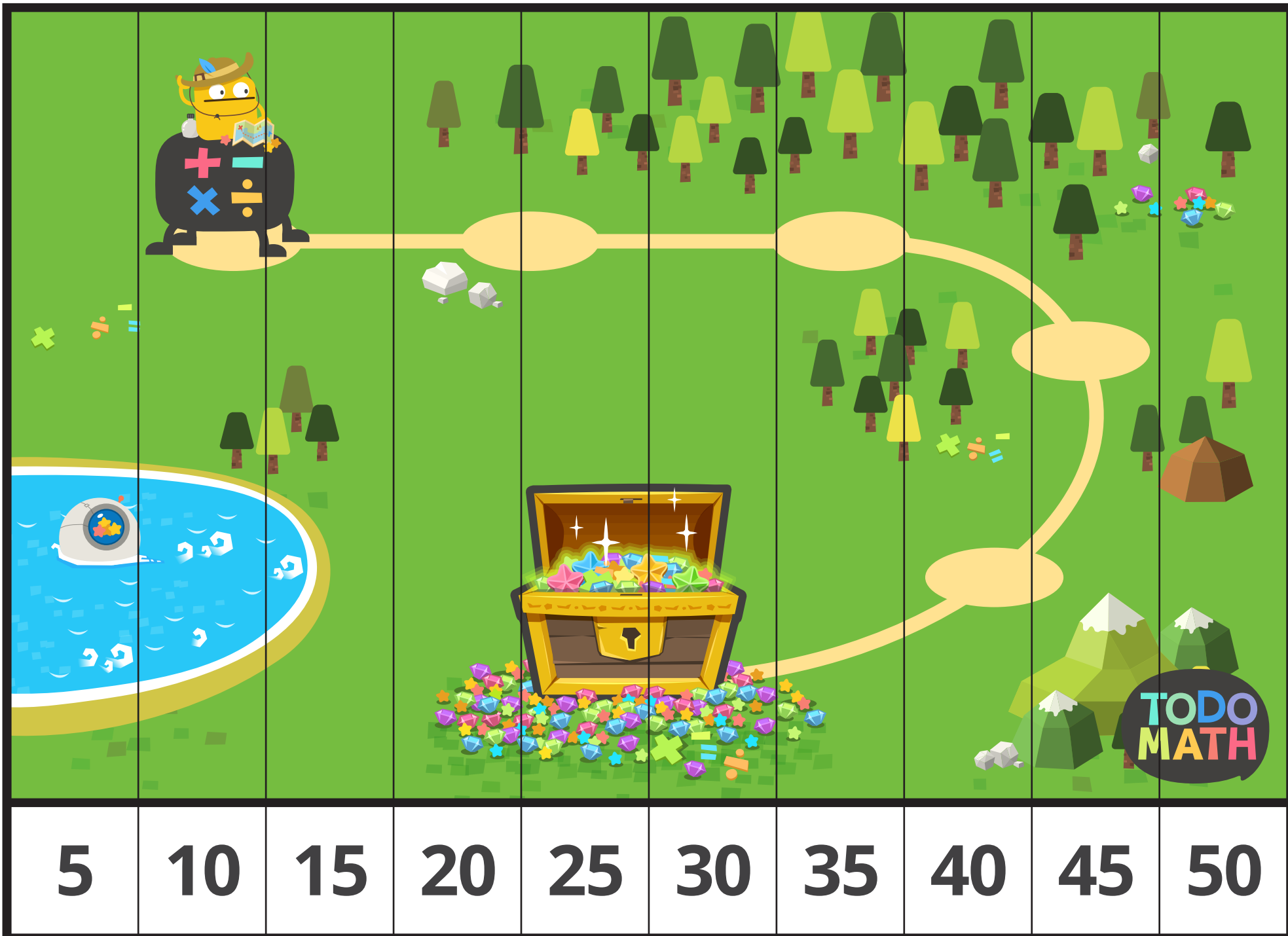
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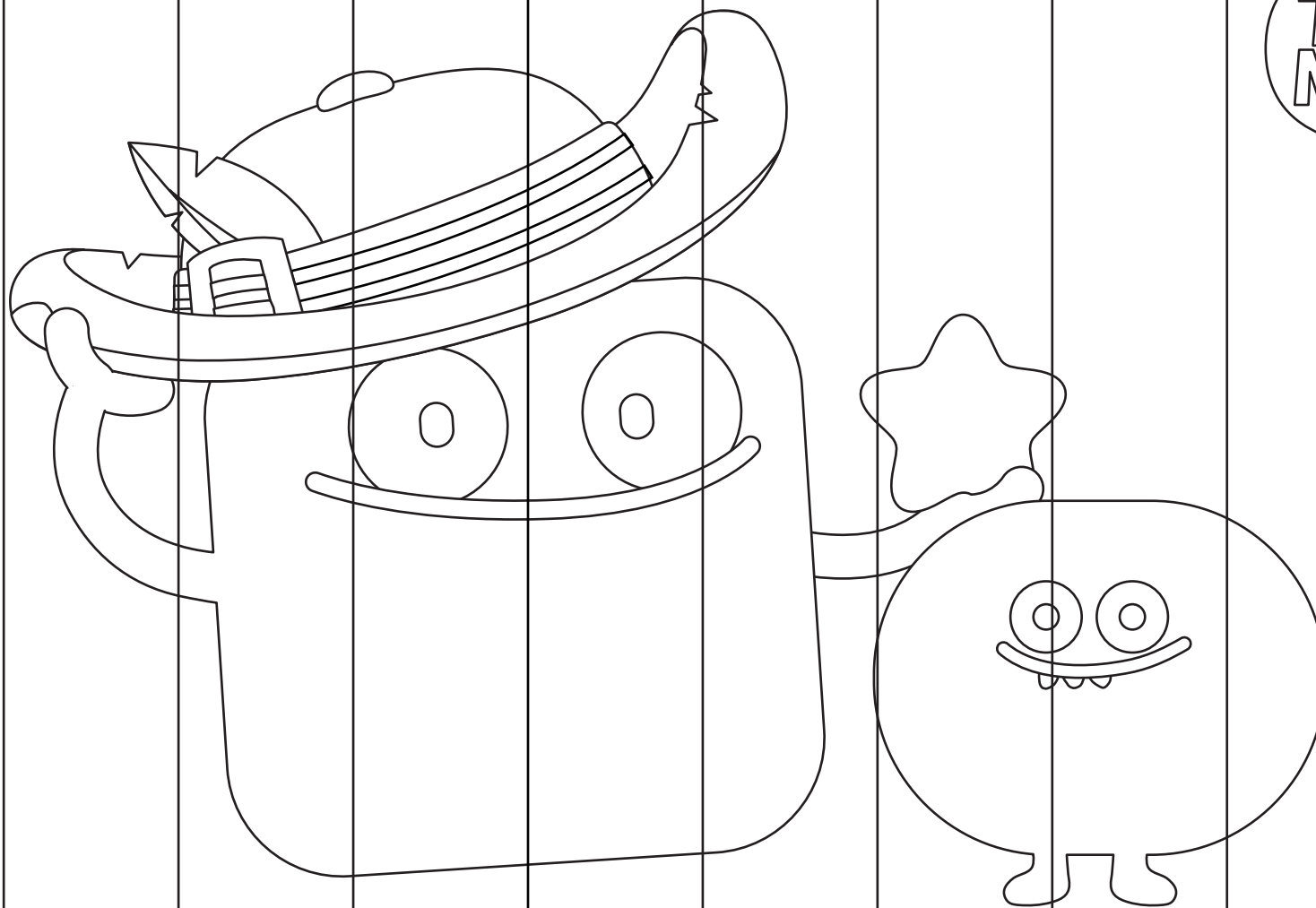
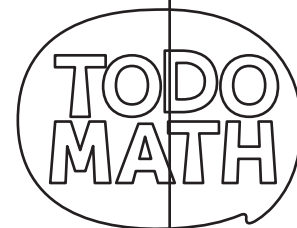
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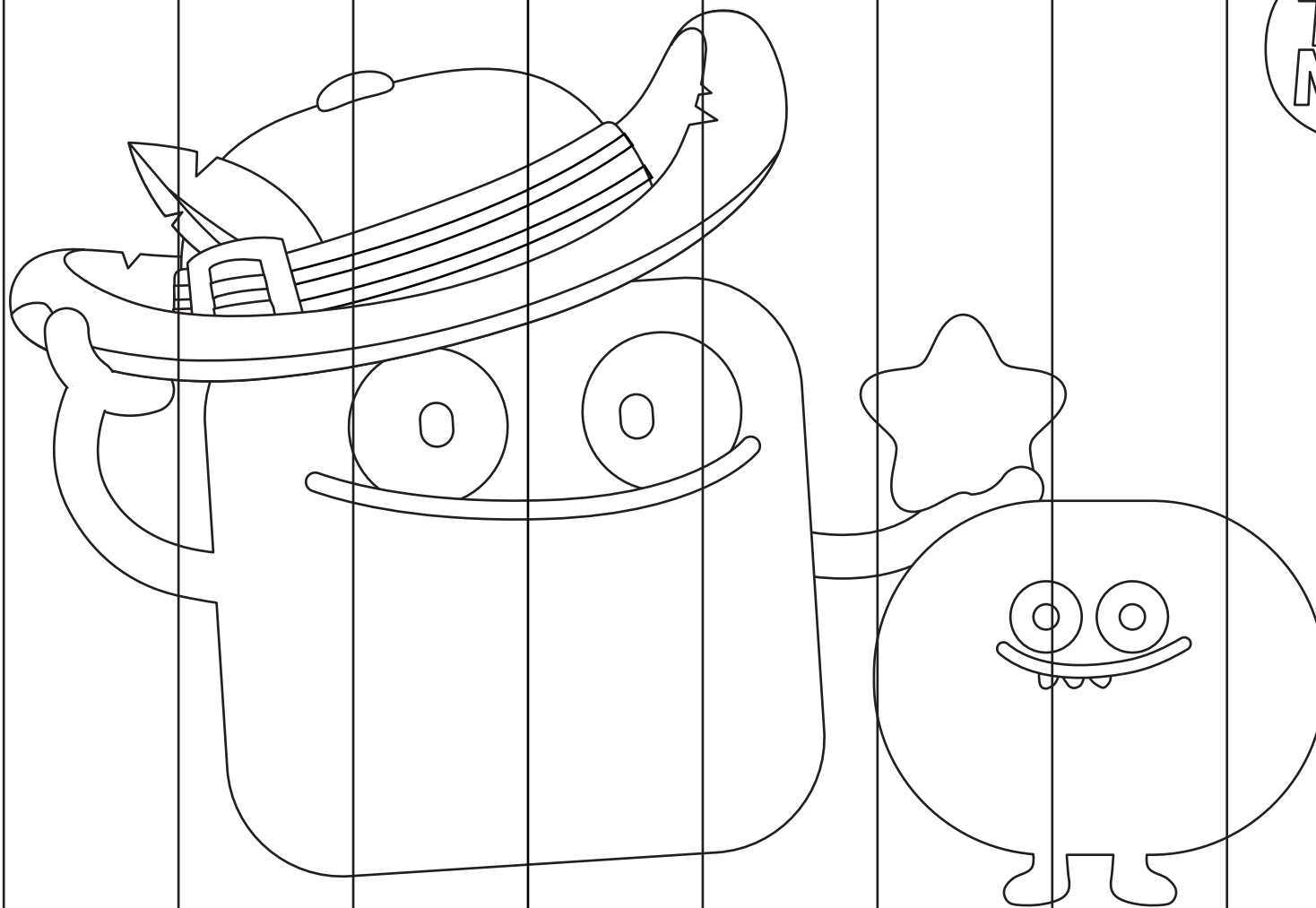
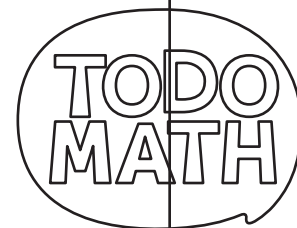
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