



TASK	ITEM	MATERIALS	PROCEDURE	ANSWER KEY
Counting by Ones to 4	1	Card 1 (4 lions)	Show card and ask: "How many lions are there?" If the child does not respond, repeat the question.	The child must count from 1 to 4 in correct order.
Counting by Ones to 6	2	Card 2 (6 stars)	Show card and ask: "How many stars are there?" If the child does not respond, repeat the question.	The child must count from 1 to 6 in correct order
Comparing Quantities	3	Card 3 (8 and 4 turtles)	Show card and ask a child, "Which is more?"	The child must say or point to the turtles on the left.
	4	Card 4 (10 and 32 stars)	Show card and ask a child, "Which is more?"	The child must say or point to the stars on the right.
	5	Card 5 (40 and 43 candy canes)	Show card and ask: "Which is more?"	The child must say or point to the candy canes on the right.
Counting by Ones: to 4	6	Card 6 (4 stars)	Show card and ask: "How many stars are there?" If the child does not respond, prompt with counting "1, 2..."	The child must count from 1 to 4 in correct order.
Comparing Quantities	7	Card 7 (10 and 21 sharks)	Show card and ask a child: "Which is more?"	The child must say or point to the sharks on the right.
Comparing and Changing Quantities (practice)	P1	Place 5 pennies on a paper and another pile of 9 pennies next to it	Ask child: "Which is more?"	The child must point to the pile of 9 pennies.
	P1	(continued) Point to the pile of 9 pennies.	Ask child: "Give me 2 pennies from that group"	Child should give you 2 pennies from the pile of 9.



	P1	(continued) Pile of 5 pennies and pile of 7 pennies	Ask child: "Can you make the 2 groups equal?" (by switching or taking away)	The child must make the 2 groups equal by switching or taking away.
Comparing and Changing Quantities	8	Card 8 (place piles of 6 and 11 pennies side by side on the card.)	Say: "Give me 3 pennies from the larger group."	The child must give you 3 pennies from the group of 11.
Equality	9	Card 8 (piles of 6 and 8 pennies remaining on Card 8)	Ask child: "Can you make the 2 groups equal?" (Attempt this only if the child answered the previous question correctly.)	The child must make the 2 groups equal by switching or taking away.
Produce Sets up to 12	10	(place 15 pennies on a piece of paper)	Say: "Give me 12 pennies."	Child must count 12 pennies and give them to you.
Comparing Quantities	11	Card 11 (11 and 15 cars)	Show card and say: "How many more cars are in the right stack?"	Child must say 4 cars.
Number Recognition	12	Card 12 (number 5)	Show card and say: "What number?." If child does not respond, say: "What is this?"	The child must say the number 5.
Enumeration and Cardinality	13	Card 13 (the numbers 2, 3, 4, 5, 6, 7))	Show card and say: "You see the number 5. What is the next number?"	The child must say or point to 6.
Number Recognition and Counting.	14	Card 14 (the number 5, and groups of 4, 5, and 8 turtles)	Show card and say: "Which picture shows this number?" If no response say: "Where are this many?"	The child must point to the group of 5 turtles.



	15	Card 15 (numbers 5, 6, 8, 10 and boxes with corresponding numbers of stars)	Show card and say: "What number belongs to each box?"	The child must identify which number goes with which box of stars for each of the 4 numbers.
Number Line	16	Card 16 (Number line with 5, 6, 8, 10, 11 and empty boxes for 7 and 9)	Show card and say: "Here is a number line with some numbers, but some are missing. Where does 7 go?" If no response, say: "Here is 4. Where would 7 go?" If still a problem, say: "Where does 5 go, where does 6 go?"	The child must point to the box where 7 should go.
	17	Card 17 (Number line with 5, 6, 7, 8, 10, 11, and empty box for 9.)	Show card and say: "Here is a number line with some numbers. What is the missing number?"	The child must identify 9 as the missing number.
	18	Card 18 (Number line with boxes from 3-22 with only 4, 9, and 15 on it)	Show card and point out the numbers 4, 9, 15 and say: "4, 9, 15, but many are missing. Where does 7 go?" If no response, say: "Here is 4. Where would 7 go?" If still a problem, say: "Where does 5 go? Where does 6 go?"	Child must show where 7 goes on the Number line.
Number Line and Counting	19	Card 19 (Number line with 61 marbles and Number line with 65 marbles)	Show the child card and say: "On the left you see 61 marbles. There are more on the right. How many more?"	Child must answer 4.



Counting by 5	20	Card 20 (5 and 10 cars)	Show the child the card and point with a finger to the left picture and count 5, then say: "How many are on the right?"	Child must say 10.
Counting by 10	21	Card 21 (10 and 20 cars)	Show the child the card and point with a finger to the left picture and count 10, then say: "How many are on the right?"	Child must say 20.
Counting by 50	22	Card 22 (50 and 100 turtles)	Show the child the card and point with a finger to the left picture and count fifty, then say: "How many are on the right?"	Child must say 100.
Counting by 10	23	Card 23 (5 rows of 10 stars)	Point with your finger at each row of 10 stars and count 10, 20, 30, 40, then ask: "What is next?"	The child must say 50.
Counting by 10	24	Card 24 (5 rows of 10 stars and 4 stars)	Point with your finger at each row of 10 stars and count 10, 20, 30, 40,50, then ask: "How many stars?"	The child must say 54.
Counting by 10	25	Card 25 (7 rows of 10 stars and 6 stars)	Point with your finger at each row of 10 stars and count 10, 20, 30, 40,50, 60,70, then ask: "How many are there?"	The child must say 76.
Number Operations	26	Card 26 (7 rows of 10 stars and 6 stars)	Point with your finger at each row of 10 stars and count 10, 20, 30, 40,50, 60,70, then ask: "How many more to get 90?"	The child must say 14.
Number Operations in Context	27	Card 27 (6 sharks)	Point to the card and say: "You have 6 sharks. You need 10 sharks. How many more do you need to catch?"	The child must say 4.
Number Operations in Context	28	Card 28 (12 awards, 17 children)	Point to the card and say: "You have 12 awards. There are 17 children and they each want one. How many more do you need to buy?"	The child must say 5.
Subtraction by Taking Away.	29	Card 29 (34 stars)	Point to the card and say: "You have 34 stars. You take away 6 stars. How many are left?" (The child may use a pencil and worksheet.)	The child must say 28.



Number Operations	30	Card 30 (40 and 43 candy canes)	Point to the card and say: "How many more are on the right?"	The child must say 3.
Counting, Equality	31	Card 31 (50 stars, 57 stars)	Point to the card and say: "How many do you need to make the left equal to the right?"	The child must say 7.
Subtraction, Equality	32	Card 32 (34 and 26 candy canes)	Point to the card and say: "How many do you need to take away from the left to make the left and right equal?"	The child must say 8.
Counting	33	Card 33 (12 roses)	Show card and say: "How many flowers?"	Child must count to 12.
Enumeration Counting by 10	34	Card 34 (5 bags of 10 marbles, 7 marbles)	Show card and say: "Each of the bags on the left has 10 marbles in it. You need 12 marbles. How can you get these?"	The child could suggest taking 1 bag of marbles plus 2 from the other side, or opening 1 of the bags and taking out 5 marbles and adding them to the 7 on the other side (or any other successful combination).
Enumeration Counting by 10	35	Card 35 (5 bags of 10 marbles, 7 marbles)	Show card and say: "Each of the bags on the left has 10 marbles in it. You need 36 marbles. How can you get these?"	The child could suggest taking 3 bags and 6 marbles from the other side, or opening 3 of the bags and taking out 29 marbles and adding them to the 7 on the other side (or any other successful combination).
Enumeration Counting by 10	36	Card 36 (5 bags of 10 marbles, 7 marbles)	Show card and say: "You took 4 bags and 5 more marbles. How many marbles do you have?"	The child should say 45.



Number Line	37	Card 37 (number line with 9, 10, 11, 12, and 5 empty boxes)	Show card and say: "Here is a number line with some numbers." (Point to numbers and say "9, 10, 11, 12.") Then say: "What will be the number in the last box?"	The child must answer 17.
Number Line	38	Card 38 number line with 41, 42, 43, and 6 empty boxes)	Show card and say: "Here is a number line with some numbers." (Point to numbers and say "41, 42, 43.") Then say: "What will be the number in the last box?"	The child must answer 49.
Number Line, Subtraction	39	Card 39 (Number line with 29 through 37)	Show card and say: "How much is 37 take away 4."	The child must answer 33.