

# Summer assessment observation sheet

## Nursery

Maths

Child's name \_\_\_\_\_ Practitioner \_\_\_\_\_ Date \_\_\_\_\_

Throughout the assessment, you should give the child a reasonable length of time to answer each question.

If the child does not respond, move on to the next question without selecting an answer.

There is space to record how **confidently** and **independently** the child answered each question. You can use the 'Notes' sections to record any extra useful information. For example:

- the child's response
- the child's behaviour
- strategies used by the child
- strategies used by the practitioner

This assessment is designed to be enjoyable and part of a child's everyday learning. Use your professional judgement and knowledge of the child to decide how much of the assessment the child completes.

Questions 1–5 assess the child's ability to **count a number of objects**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 6.

Count a number of objects			
1	How many hats are there?		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence 1 2 3 Confidence 1 2 3	Notes	
2	How many shells are there?		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence 1 2 3 Confidence 1 2 3	Notes	

3	<b>Point to the number that shows how many dots there are.</b>		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3 Confidence        1   2   3	Notes	
4	<b>How many ice creams are there?</b>		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3 Confidence        1   2   3	Notes	
5	<b>How many fish are there?</b>		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3 Confidence        1   2   3	Notes	

Questions 6 and 7 assess the child's ability to **count out loud**.

**You should only read out question 6.**

Record the answer to question 7 based on how the child responds to question 6. You do not need to ask the child to count twice.

Count out loud			
6	<b>Can you count to 20? Show me.</b>		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3 Confidence        1   2   3	Notes	
7	Did the child... <input type="checkbox"/> count to 10 correctly?		

Questions 8–9 assess the child's ability to **compare items by size**.

Compare items by size			
8	Point to the biggest ball.		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence   1   2   3 Confidence   1   2   3	Notes	
9	Point to the smallest star.		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence   1   2   3 Confidence   1   2   3	Notes	

Questions 10–12 assess the child's ability to **subitise**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 13.

Subitise			
10	How many crabs do you see (without counting)?		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence   1   2   3 Confidence   1   2   3	Notes	
11	Which one has 3 dots?		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence   1   2   3 Confidence   1   2   3	Notes	

12	<b>How many dots do you see (without counting)?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

Questions 13–19 assess the child's ability to **identify and write numerals**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 20.

**For questions 16 and 18, you will need something for the child to write with.**

Identify and write numerals			
13	<b>What number is this?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
14	<b>What number is this?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
15	<b>Can you write the number 3? This is what it looks like.</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
16	<b>What number is this?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

17	<b>Point to the number seven.</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
18	<b>Can you write the number two?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
19	<b>What number is this?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

Questions 20–23 assess the child's ability to **compare quantities**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 24.

Compare quantities			
20	<b>Point to the picture that has more suns.</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
21	<b>There are 2 buckets and 3 spades. What is there more of?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

22	<b>Which of these numbers is the smallest?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
23	<b>Which of these numbers is bigger than 4?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

Questions 24–26 assess the child's ability to **notice and continue patterns**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 27.

Notice and continue patterns			
24	<b>Ball, hat, ball, hat, ball... What comes next?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
25	<b>Look at the pattern. What comes next?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	
26	<b>Tell me what you see. What comes next?</b>		
	Could answer <input type="checkbox"/>	Struggled to answer <input type="checkbox"/>	Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence     1   2   3	Notes	

Questions 27–29 assess the child's ability to **solve mathematical problems**. If the child responds incorrectly, or does not respond, to two questions in a row, move to question 30.

Solve mathematical problems		
27	Lily has 2 bananas. Then, she eats 1. How many bananas has Lily got left?	
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>	
	Independence    1   2   3 Confidence       1   2   3	Notes
28	May has 3 kites. Then, 1 flies away. How many kites does May have now?	
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>	
	Independence    1   2   3 Confidence       1   2   3	Notes
29	Joey has 2 shells. Then, his sister gives him another shell. How many shells does Joey have now?	
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>	
	Independence    1   2   3 Confidence       1   2   3	Notes

Questions 30–32 assess the child's ability to **automatically recall number bonds**. If the child responds incorrectly, or does not respond, to two questions in a row, end the assessment.

Automatically recall number bonds	
30	What goes with 3 to make 4?
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>
	Independence    1   2   3 Confidence       1   2   3

31	What goes with 4 to make 5?		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3	Notes	
Confidence        1   2   3			
32	What goes with 2 to make 5?		
	Could answer <input type="checkbox"/> Struggled to answer <input type="checkbox"/> Question skipped <input type="checkbox"/>		
	Independence    1   2   3	Notes	
Confidence        1   2   3			