

Reception maths week 1

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Factual fluency (to aid fluency)	Instantly recognising the number of dots on a dice	Counting up to 20	Counting down from 20	Finger counting e.g. "Show me 4. Show me 2 more. How many are there now?"	Finger counting e.g. "Show me 4. Show me 2 more. How many are there now?"
Problem/activity of the day	Put three bowls over 1 jewel, 2 jewels and 3 jewels. Quickly lift and replace one bowl and challenge children to say how many there are.	Everyone have a guess how many things are in the jar (to 20), then count to find out. Children can record their guesses and then put them in order to discuss which estimates were closest. Were there more or less than your estimate?	Leave a pile of 'magic beans' and a range of number cards (to 20) in a place for children to explore. Can you match the number of beans to the right numeral?	Have a number of toys in a group (1-9) and a number of toys in another group (1-9). Ask: "How many are there altogether? Show me what you did you find out?" Children to record on paper what they worked out?	Can you use your toys to tell addition stories? E.g. "In my dolls house 2 dolls were in the living room, and 2 dolls were in the kitchen. There were 4 dolls in the house altogether." Children to record their story on paper?
Resources you will need	Up to 10 of the same objects (jewels, coins, beads, pasta)	A jar with objects inside e.g. pasta, jelly beans	Numbers to 20 on cards Beans	Toys Paper and pens	Toys Paper and pens
Tips, clues or methods to help	Arrange the objects in a recognisable pattern (e.g. dice patterns or in a line)	Count out a number of the same objects as are in the jar (e.g. 10). Use it as a guide – do you think there are more or less in the jar?	Have numbers written in order in a line to help children to identify any numbers they may not be sure of by counting up from 1	Count carefully by saying a number for each object	Count carefully by touching and saying a number for each object.
Want to check?	Check by counting	Check by counting	Putting beans in a line to help accurate counting	Check by putting the toys altogether in a line to count how many altogether	Use the toys to make your story.
Theme	Subitising (recognising amounts at a glance)	Estimating	Counting	Addition	Addition

Resources below: digit cards to 20

Additional online activities: <https://www.topmarks.co.uk/learning-to-count/teddy-numbers>

(Scroll down to 'Teddy Numbers' – NUMBERS to 15)



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1



one

2



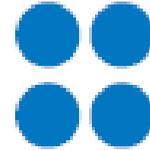
two

3



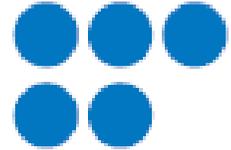
three

4



four

5



five

6



six

7



seven

8



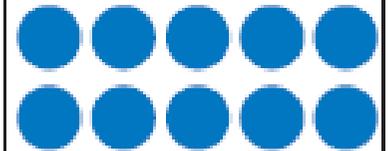
eight

9



nine

10



ten

