

# Discussion Problem

## Numbers to 20

### **National Curriculum Objectives:**

**(1N2c) Read and write numbers from 1 to 20 in numerals and words**

**(2N2a) Read and write numbers to at least 100 in numerals and in words**

### **About this resource:**

**This resource has been designed to provide pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.**

**There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.**

**We recommend self or peer marking using the answer page provided to promote discussion and self-correction.**

# Numbers to 20

Each child rolls three dice and adds the spots together to find their total. Use the clues below to investigate their total numbers. Draw the dice each child may have rolled. Write the total number as both a word and a numeral.

My total is less than 15 but more than 10. Two of my dice show the same number.



George

I scored one more than George. All my dice landed on an even number.



Rashana



Word name: \_\_\_\_\_

Word name: \_\_\_\_\_

Numeral: \_\_\_\_\_

Numeral: \_\_\_\_\_

DP

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Numeral: \_\_\_\_\_

Numeral: \_\_\_\_\_

DP

Various answers, for example:

My total is less than 15 but more than 10. Two of my dice show the same number.



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I scored one more than George. All my dice landed on an even number.



Rashana



Word name: **eleven**

Word name: **twelve**

Numeral: **11**

Numeral: **12**