

PUZZLERS

Teachers can photocopy this page to use in class



FOUNDATION CAN YOU FIND?

What can you find in our classroom that there are two of?
(eyes on each person, hands, feet)

What can you find in our classroom that there are four of?
(legs of the chair, seats at the tables, four people with glasses, four brown teddies)

What other numbers can you count in our room?

Children could draw what they find or the teacher could take photos to make a *Numbers in our classroom* book.

YEARS 1 AND 2 WHAT'S YOUR NAME WORTH?

Each letter of the alphabet has a value according to alphabetical order, eg A = 1, B = 2 etc.

What is your name worth? Add the values for each letter. How did you add your letters? What strategies did you use? Who has the name with the highest value? What if you used your last name as well? Or your middle name? How would you add the letters now?

As an extra challenge, can you write a word that is worth exactly 20? Or 50? Or 100? What about a sentence with a value of 20 or 50 or 100?



YEARS 3 AND 4 CHRISTMAS CRACKERS

Last month I sent off for a kit to make Christmas Crackers. It contained:

- Three colours of hat: red, yellow and blue
- Four types of novelty: toy car, spinning top, magnifying glass and miniature hair brush
- Four different types of joke slip

All the other parts were the same type. The kit contained enough bits for 50 crackers. Can I make each cracker different from all the others?

<https://www.mathsisfun.com/puzzles/absolutely-christmas-crackers.html>

YEARS 5 AND 6 TEN DIGIT NUMBER PUZZLE

Find a 10-digit number where the first digit is how many zeros in the number, the second digit is how many 1s in the number etc. until the tenth digit which is how many 9s in the number.

<https://www.mathsisfun.com/puzzles/10-digit-number.html>

