

Objective: TBAT set up and solve equations



Met

Partially
Met

Not Met

Work on the
following sections:

Column 1

Column 2

Extension

| Column 1 | Column 2 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Harry thinks of a number. He multiplies his number by 5 and then adds 7 to this.</p> <p>i) Use n to represent Harry's number. Write an expression for the answer.</p> <p>ii) Harry's answer comes to 22. Write down an equation and solve it to find the initial number.</p> | <p>Mary thinks of a number. She adds 4 to it and then multiplies this by 5.</p> <p>i) Use n to represent Mary's number. Write an expression for the answer.</p> <p>ii) Mary's answer comes to 55. Write down an equation and solve it to find the initial number.</p> |
| <p>Betty and Carol have 10 cakes between them. Carol has 2 more cakes than Betty.</p> <p>i) Using c to represent the number of cakes Betty has, write an expression for the number of cakes Carol has.</p> <p>ii) Write an equation and solve it to find the value of c.</p> | <p>Chocolate bars cost £c each. Cans of drink cost 55p.</p> <p>a) Kyra buys 3 chocolate bars and a can of drink. Write down an expression for the total cost, in pounds.</p> <p>b) Kyra pays with a £5 note and gets £2.59 change. Set up and solve an equation to work out the cost of one chocolate bar.</p> |

Extension:

Barry pays £2.15 at a café for a tea and two biscuits.

John pays £3.05 at the same café for a tea and four biscuits.

- a) How much does the cafe charge for a biscuit?
b) How much does the café charge for a tea?