

SETTING UP ALGEBRAIC EXPRESSIONS

1 Tom is x years old. How old is:

- (a) Sally, who is 5 years older than Tom?.....
- (b) Harry, who is twice Tom's age?.....
- (c) Alf, who is 3 years younger than Harry?.....
- (d) Bert, who is 3 times as old as Sally?.....

2 A Toffo bar costs x pence. A Choco cost 4 pence more than a Toffo. How much do the following cost?

- (a) 5 Toffos.....
- (b) c Toffos.....
- (c) one Choco.....
- (d) 4 Chocos.....
- (e) 3 Toffos and 4 Chocos.....
- (f) I buy 2 Toffos. How much change do I get from 50 pence?.....
- (g) I buy 5 Toffos. How much change do I get from £1?.....

3 One teacup holds p ml of liquid. One coffee cup holds x ml more than a teacup. How much do the following hold?

- (a) 8 teacups.....
- (b) m teacups.....
- (c) one coffee cup.....
- (d) half a teacup.....
- (e) half a coffee cup.....
- (f) 4 teacups and 5 coffee cups.....

The kettle holds 4000ml of water.

- (g) I fill 5 teacups from a full kettle. How much is left in the kettle?.....
- (h) How many teacups can I fill from a full kettle?.....
- (i) How many coffee cups can I fill from a full kettle?.....

4 A certain even number is represented by the letter n . Write down:

- (a) the previous even number.....
- (b) the next 3 even numbers.....
- (c) the previous odd number.....
- (d) the next 3 odd numbers.....
- (e) the next 4 whole numbers.....
- (f) the number I get by doubling n and then adding 4.....
- (g) the number I get by adding 4 to n and then doubling.....

5) I bought c pens costing x pence each. How much change did I have from £ k ?
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