

## Algebraic Expressions Homework

1 Tom is  $x$  years old. How old is:

- (a) Angela, who is 4 years younger than Tom?.....
- (b) Bobby, who is 3 times Tom's age?.....
- (c) Caroline, who is 7 years older than Bobby?.....
- (d) David, who is 3 times as old as Bobby?.....

2 A Whizzo bar costs  $x$  pence. A Yummy cost 8 pence less than a Whizzo. How much do the following cost?

- (a) 4 Whizzos.....
- (b)  $n$  Whizzos.....
- (c) one Yummy.....
- (d) 5 Yummies.....
- (e)  $m$  Yummies.....
- (f) I buy 2 Whizzos. How much change do I get from 50 pence?.....

3 A bag contains  $m$  sweets. They are shared out between 4 friends. How many sweets does each of the friends receive?.....

4 Mary wants to share out £120 equally between her  $n$  grandchildren. How much will each grandchild receive?.....

5 One teacup holds  $x$  ml of liquid. One coffee cup holds 20 ml more than a teacup. How much do the following hold?

- (a) 8 teacups.....
  - (b) one coffee cup.....
- The kettle holds 3000ml of water.
- (c) I fill  $k$  teacups from a full kettle. How much is left in the kettle?  
.....
  - (d) How many teacups can I fill from a full kettle?.....
  - (e) How many coffee cups can I fill from a full kettle?.....

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