



ALGEBRA WORD PROBLEMS SHEET 1 ANSWERS

There are 12 packets of crisps in a big pack.

1) I buy n big packs of crisps. = $12n$

How many packets of crisps have I bought?

2) There are t pencils in a pack. I buy 4 packs. = $4t$
How many pencils?

3) I have 6 pens. A friend gives me n more pens. = $n+6$
How many pens do I have now?

4) A bag of apples contains 6 apples. I buy w bags of apples. How many apples have I bought? = $6w$

5) I have a box of d chocolates. I eat 7 of them. = $d-7$
How many chocolates are left?

6) The temperature is 62°F . It gets warmer by h degrees. = $62+h^{\circ}\text{F}$
What is the temperature now? (or $h+62$)

7) There are 20 balloons at a party. y balloons are burst. = $20-y$
How many balloons are left?

8) There are z fish in an aquarium. $\frac{1}{4}$ of the fish are angelfish. = $\frac{3}{4}z$
How many fish are angelfish?

9) There are 20 red and blue marbles in a bag. s marbles are red. How many are blue? = $20-s$

10) In a class of c children, $\frac{3}{5}$ have a pet. = $\frac{2}{5}(c)$ (trick problem)
What fraction don't have a pet?

11) There are s cars in a carpark. = $4s$
How many wheels will they have in total?

12) I have u soft toy salamanders. I get v more. = $u+v$
How many salamanders do I have now?