



ALGEBRA WORD PROBLEMS SHEET 1 ANSWERS

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|-----|---|---------------------------------|
| 1) | There are 12 packets of crisps in a big pack. I buy n big packs of crisps. How many packets of crisps have I bought? | = 12n |
| 2) | There are t pencils in a pack. I buy 4 packs. How many pencils? | = 4t |
| 3) | I have 6 pens. A friend gives me n more pens. How many pens do I have now? | = n+6 |
| 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. How many chocolates are left? | = d-7 |
| 6) | The temperature is 62°F. It gets warmer by h degrees. What is the temperature now? | = 62+h °F (or h+62) |
| 7) | There are 20 balloons at a party. y balloons are burst. How many balloons are left? | = 20-y |
| 8) | There are z fish in an aquarium. $\frac{1}{4}$ of the fish are angelfish. How many fish are angelfish? | = $\frac{3}{4} z$ |
| 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, $\frac{2}{5}$ have a pet. What fraction don't have a pet? | = $\frac{3}{5}$ (trick problem) |
| 11) | There are s cars in a carpark. How many wheels will they have in total? | = 4s |
| 12) | I have u soft toy salamanders. I get v more. How many salamanders do I have now? | = u+v |