



ALGEBRA WORD PROBLEMS SHEET 2

Write the algebraic expression for each word problem.

See if you can spot the trick problem that doesn't need algebra!

1)	In a stable, there are h horses. 6 of them are taken out into the yard to exercise. How many are left in the stable?	= h-6
2)	There are c cyclists in a cycle race. $\frac{3}{4}$ of the cyclists finish the race. How many cyclists did not finish?	=
3)	There are 56 people on a bus. t people get off at the next stop and 3 more people get on. How many people are on the bus now?	=
4)	In a class of 30 children, g children come to school by bus. What fraction of the class come by bus?	=
5)	In a class of c children, 16 have blue eyes. What fraction of the class have blue eyes?	=
6)	There are b people on a bus. At the next stop, 7 people get off and 10 more get on. How many more people are on the bus now?	=
7)	I cut a long piece of wood into 50cm pieces. I manage to cut w pieces of wood, and there is 20cm left over. How long was the wood to start with?	=
8)	I have c chocolates which I share equally between by 5 friends. How many do they each get?	=
9)	I have 5 pens already. I am given 2 packs of pens. Each pack contains t pens. How many pens do I have now?	=
10)	There are d deer and p pheasants in the woods. How many legs in total?	=



ALGEBRA WORD PROBLEMS SHEET 2 ANSWERS

1)	In a stable, there are h horses. 6 of them are taken out into the yard to exercise. How many are left in the stable?	= $h-6$
2)	There are c cyclists in a cycle race. $\frac{3}{4}$ of the cyclists finish the race. How many cyclists did not finish?	= $\frac{1}{4}c$
3)	There are 56 people on a bus. t people get off at the next stop and 3 more people get on. How many people are on the bus now?	= $56-t+3$ or $59-t$
4)	In a class of 30 children, g children come to school by bus. What fraction of the class come by bus?	= $g/30$
5)	In a class of c children, 16 have blue eyes. What fraction of the class have blue eyes?	= $16/c$
6)	There are b people on a bus. At the next stop, 7 people get off and 10 more get on. How many more people are on the bus now?	= $10-7=3$ = trick question
7)	I cut a long piece of wood into 50cm pieces. I manage to cut w pieces of wood, and there is 20cm left over. How long was the wood to start with?	= $50w+20cm$
8)	I have c chocolates which I share equally between by 5 friends. How many do they each get?	= $c/5$
9)	I have 5 pens already. I am given 2 packs of pens. Each pack contains t pens. How many pens do I have now?	= $2t+5$
10)	There are d deer and p pheasants in the woods. How many legs in total?	= $4d+2p$