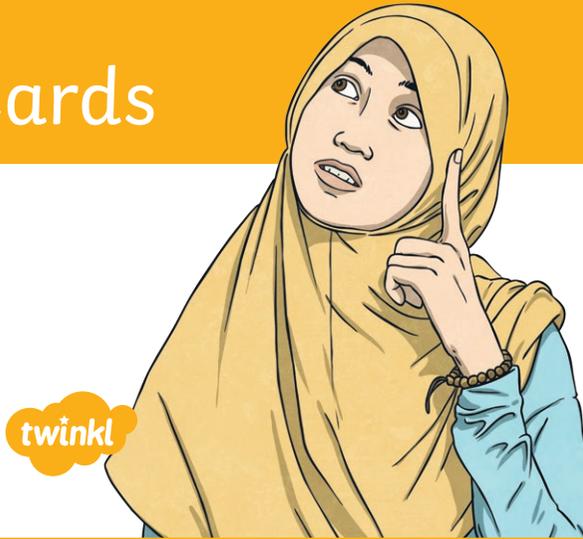


Algebra Challenge Cards



Algebra Challenge Cards

1. Write all the possible values of a and b when they are both different whole numbers between 15 and 25.

$$a - b = 7$$

a				
b				

Algebra Challenge Cards

2.

p is 4 more than q

Write two equations to show the relationship between p and q .

Algebra Challenge Cards

3.

b is 12 less than c

Write two equations to show the relationship between b and c .

Algebra Challenge Cards

4. A farmer sells barrels of milk for £14.

A discount of £6 on any order is given for paying in advance.

Write the formula that shows the cost of buying barrels of milk (b) paid for in advance.

Algebra Challenge Cards

5. Find three different possible pairs of whole numbers that satisfy these equations:

$a - b = 6$			
a			
b			

$cd = 16$			
c			
d			

$50 - ef = 14$			
e			
f			

Algebra Challenge Cards

6. Write all the possible values of a and b when they are both different whole numbers between 6 and 11.

$$a + b = 17$$

a				
b				

Algebra Challenge Cards

7. Write all the possible values of a and b when they are both different whole numbers between 20 and 30.

$$a - b = 4$$

a							
b							