



TASK TITLE

Algebra challenge

Week Beginning

4<sup>th</sup> May 2020

INSTRUCTIONS

Class

Year 6

Try to complete this Algebra challenge. You could try timing yourself and seeing how many you right. Complete these and then check them against the answers, which I will post separately.

You will need this information for it all:  $a = 4$   $b = 10$   $c = 7$   $d = 5$

QUESTIONS

1)  $a + b$

11)  $\frac{1}{4}$  of  $ad$

2)  $c - d$

12)  $\frac{3}{8}$  of  $ab$

3)  $a + c + d$

13)  $abcd$

4)  $(b - d) + a$

14) Find the mean of  $a$ ,  $b$ ,  $c$  and  $d$

5)  $ab$

15)  $b - c + a$

6)  $cd$

16) What is the range between  $ab$  and  $cd$

7) Square  $b$  and add  $c$

17)  $-d + ab$

8) Cube  $c$

18)  $-bc - a$

9)  $abc$

19)  $abc/d$

10)  $b/d$  (  $/$  = divided by)

20)  $adc/b$