

M6 = 3 days to go!

4 Given that $a = 5$, $b = 10$ and $c = \frac{1}{2}$, work out

$$2a - b + 4c$$

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$$2(5) - (10) + 4\left(\frac{1}{2}\right)$$

$$2 \times 5 - 10 + 4 \times \frac{1}{2}$$

$$10 - 10 + 2$$

Substitute
into the
formula

Answer 2 [2]

14 Write the binary number

1101

as a decimal number.

Decimal have

1000	100	10	1
Th	H	T	U
10^3	10^2	10	1
4	7	2	3

means

$$4000 + 700 + 20 + 3$$

Answer _____ [1]

Decimal

16	8	4	2	1
	1	1	0	1

$$8 + 4 + 1$$

Ans 13

8 The cost to floor a kitchen is $\frac{1}{10}$ of the cost to floor a house.

Which of these is the correct formula where K is the cost to floor the kitchen and H is the cost to floor the house?

A $K = 10H$

B $K = \frac{H}{10}$

C $H = \frac{K}{10}$

D $K = \frac{10}{H}$

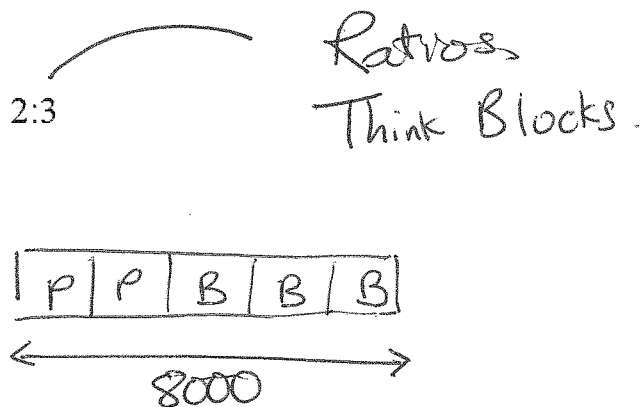
Think money!
 If it costs £5000 for whole house
 $5000 \div 10 = 500$ $\frac{5000}{10}$

Answer Formula $K = \frac{H}{10}$ [1]

13 Pete and Bob pay for a boat in the ratio 2:3

The boat costs £8000

How much does Bob pay?



$8000 \div 5 = 1600$

Pete 2×1600
 3200

Answer £ 4800 [2]

Bob 3×1600
 4800