

Name: Class:

Place value word problems

1. Ken writes a four digit number. The thousands digit is $7 + 2$, the hundreds digit is 3×2 , the tens digit is the number of days in a week and the ones digit is $12 - 5$. What number did Ken write?

2. Patrick's teacher dictated a logical question to them to solve in class. The question went thus; "Find the number that has 7 hundred thousands, 1 fewer ten thousands than hundred thousands, the same number of thousands as hundred thousands, 5 fewer hundreds than thousands, 6 fewer tens than hundred thousands and no ones"



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1. Ken writes a four digit number. The thousands digit is $7 + 2$, the hundreds digit is 3×2 , the tens digit is the number of days in a week and the ones digit is $12 - 5$.

What number did ken write?

Note that ken wrote a 4 digit number.

Implying the digit has 4 place values.

Let's draw a place value chart and then place the digits under the place values.

The question says that,

the thousands digit is $7+2 = 9$, so place 9 on the thousands place;

the hundreds digit is $3 \times 2 = 6$, so place 6 on the hundreds place;

the tens digit is the number of days in a week = 7, so place 7 on the tens place;

the ones place is $12 - 5 = 7$ so place 7 on the ones place.

Thousands	Hundreds	Tens	Ones
9	6	7	7

Therefore, ken wrote the number 9,677.

2. Patrick's teacher dictated a logical question to them to solve in class. The question went thus; "Find the number that has 7 hundred thousands, 1 fewer ten thousands than hundred thousands, the same number of thousands as hundred thousands, 5 fewer hundreds than thousands, 6 fewer tens than hundred thousands and no ones"

Let's first of all draw the place value chart and try to fill it step by step

First of all we have 7 hundred thousands so, place 7 on the chart at the hundred thousand place.

Secondly, we have 1 fewer TTh than hundred thousand. So, place $7-1 = 6$ on the TTh place.

Thirdly, we have the same number of thousand as hundred thousands so place 7 on the thousand place.

Fourthly, we have 5 fewer hundreds than thousands so, place $7-5 = 2$ on the hundreds place,

then we have 6 fewer tens than hundred thousand so, place $7-6 = 1$ on the tens place

Finally, we have no ones. so place 0 on the ones place.

HTh	TTh	Th	H	T	O
7	6	7	2	1	0

Therefore the number is 767,210

