

# YOU DON'T NEED THE NUMBER

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*I am learning that subtracting then adding the same number leaves the original number unchanged.*

## PRIOR KNOWLEDGE REQUIRED:

To be successful at this activity I must be quick and accurate at my basic facts addition and subtraction type questions.

1) Complete the table

Question	Answer	Question	Answer
a) $7 + 4 =$		f) $2 + 4 =$	
b) $8 + 7 =$		g) $12 + 7 =$	
c) $3 + 5 =$		h) $13 + 4 =$	
d) $1 + 9 =$		i) $6 + 2 =$	
e) $4 + 6 =$		j) $11 + 5 =$	

## NEW STRATEGY WITH MATERIALS:

2) Use counters to make the number in column 1 and 3. In column 2 and 4 write how many counters you must take away to have none left. You must do this with materials.

Column 1	Column 2	Column 3	Column 4
7	a)	6	e)
13	b)	15	f)
4	c)	3	g)
8	d)	6	h)

3) Use what you have learnt in the table above to help answer the questions below. If you need to, continue using counters.

Question	Answer	Question	Answer
a) $13 + 4 - 4 =$		f) $12 + 2 - 12 =$	
b) $23 + 6 - 6 =$		g) $16 + 4 - 4 =$	
c) $17 - 3 + 3 =$		h) $32 + 8 - 8 =$	
d) $19 + 12 - 12 =$		i) $42 + 9 - 9 =$	
e) $15 + 6 - 15 =$		j) $16 + 12 - 12 =$	

4) Finish the equations in the table below to make the answers correct. You may use materials to help you answer them.

Question	Answer	Question	Answer
a) $15 + 5 - \dots =$	15	f) $54 + 9 - \dots =$	54
b) $17 + 4 - \dots =$	4	g) $19 + 2 - \dots =$	2
c) $21 + 7 - \dots =$	21	h) $29 + 8 - \dots =$	29
d) $16 + 15 - \dots =$	15	i) $51 + 9 - \dots =$	9
e) $32 + 4 - \dots =$	32	j) $4 + 22 - \dots =$	22

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## NEW STRATEGY USING IMAGING:

1) Do not use materials to help you answer the questions below.

Question	Answer	Question	Answer
a) $52 - 9 + 9 =$		f) $7 + 43 - 7 =$	
b) $37 + 4 - 4 =$		g) $11 + 6 - 6 =$	
c) $61 + 21 - 21 =$		h) $54 - 37 + 37 =$	
d) $59 - 72 + 72 =$		i) $41 + 36 - 41 =$	
e) $39 + 4 - 39 =$		j) $72 + 19 - 19 =$	

2) Finish the equations in the table below to make the answers correct.

Question	Answer	Question	Answer
a) $91 + 9 - \dots =$	91	f) $76 + 32 - \dots =$	76
b) $62 + 5 - \dots =$	62	g) $34 + 31 - \dots =$	34
c) $18 + 9 - \dots =$	9	h) $64 + 12 - \dots =$	12
d) $51 + 7 - \dots =$	7	i) $7 + 43 - \dots =$	43
e) $87 + 12 - \dots =$	87	j) $9 + 5 - \dots =$	5

## WORD PROBLEMS USING NUMBER PROPERTIES:

3) 742 people go to a basketball game. 79 people leave at half time but another 79 come in to watch the game. How many people are now watching the game?

4) Tim has \$76. He spends \$30 on a C.D. He then does some gardening for his neighbour who gives him \$30. How much money does he have now?

5) Steven buys 12 eggs at the supermarket. 2 break on the way home. When he gets home he finds 2 eggs from an old container in the fridge. How many unbroken eggs does he have now?

6) Alice has 94 sweets. She eats 7 then her aunty comes around and gives her 7 more. How many sweets does she have now?

7) Craig has 15 apples. He eats 3. He then goes outside and picks 3 more off the apple tree. How many apples does he have now?

8) Sarah has 96 balloons. Her cat pops 17 of them. How many does she need to blow up to still have 96 balloons?