

WEEK: 19

Week Beginning: (27/07/2020)

Subject: **MATHS**

Year: 2

### Lesson Objective:

- Understand what opposite operations are and be able to use opposite operations to solve problems
- Be able to develop a strategic approach whilst using opposite operations

### Class Worksheets

- The tutor shall work through the examples and explain what opposite operations are and how to use them to find the original number and then the tutor will help students to form a strategy to answer problem questions

### Homework

- The homework will be similar to the class work to make sure the students have a good understanding of the class work; the questions vary from easy to hard so that the students can challenge themselves and see the differences in exam questions

### Additional Notes

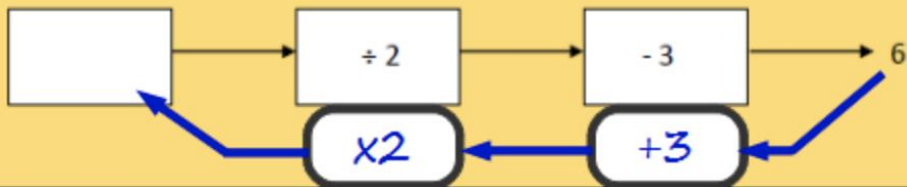
- All lesson worksheets and **homework for next week (due Week 20)** worksheets can be found below
- Week 18 homework will be marked in lesson hence make sure it is fully complete

**Please print 2 a page or open this document during the lesson to save paper!**

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## Working out Original Numbers

Read the questions below, and try to work out the original numbers

1. I think of a number, double it, and add 4. The new number is 14.  
What is the original number?
  
  2. I think of a number, treble it, and subtract 3. The new number is 9.  
What is the original number?
  
  3. I think of a number, half it, and subtract 7. The new number is 3.  
What is the original number?
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4. I think of a number, add 4, and double it. The new number is 18. What is the original number?

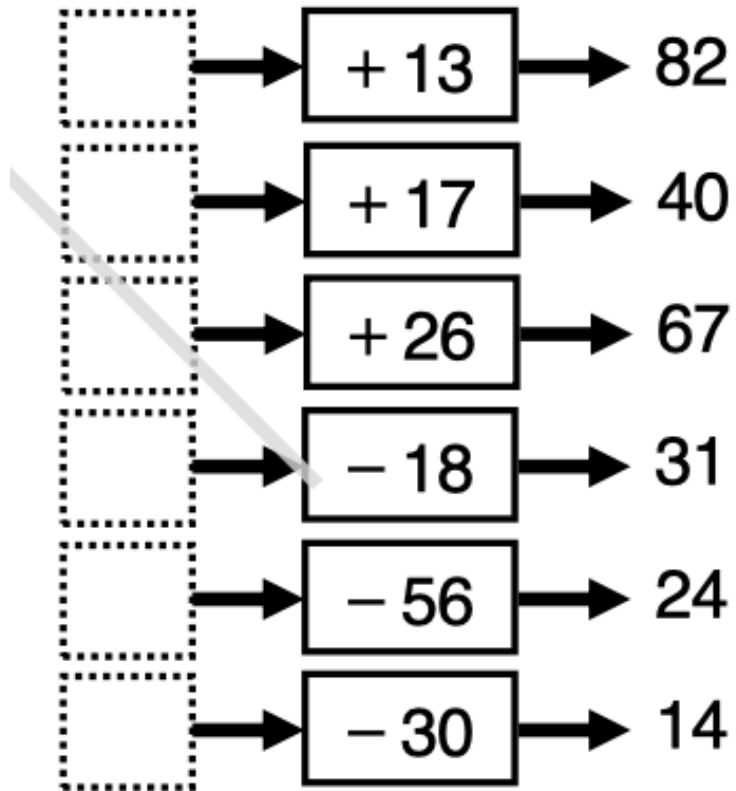
5. I think of a number, add 4, and half it. The new number is 5. What is the original number?

6. I think of a number, subtract 8, and treble it. The new number is 6. What is the original number?

7. I think of a number, subtract 4, and half it. The new number is 4. What is the original number?

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8. I think of a number, divide it by 2, and treble it. The new number is 12. What is the original number?
9. I think of a number, multiply it by 5, and subtract 3. The new number is 22. What is the original number?
10. I think of a number, divide it by 3, and add 2. The new number is 5. What is the original number?
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1. Subtract 5 from me. Then add 2. If you subtract 10 and then add 3, you get 15. What number am I?

2. Add 7 to me. Then subtract 10. If you subtract 5 and then add 9, you get 14. What number am I?

3. Add 12 to me. Then add another 12. If you subtract 9 and then add 7, you get 24. What number am I?

4. Subtract 8 from me. Then add 9. If you add 12 and then subtract 4, you get 18. What number am I?

Select the correct answer from a choice of 6 possibilities.

1) I am a two digit number.

I am larger than 50.

I am smaller than 90.

Both my digits are the same.

Who am I?

|    |     |    |
|----|-----|----|
| 62 | 122 | 29 |
| 77 | 36  | 44 |

2) I am less than 6 tens.

I am more than 3 tens.

My ones digit is three more than my tens digit.

Who am I?

|    |    |    |
|----|----|----|
| 72 | 45 | 39 |
| 41 | 28 | 47 |

**Homework: complete any worksheets not finished in lesson**