# Maths Monday Answers:

1. I notice that when I count by multiples of 25 it is half of 50.
2. 25, 50, 75, 100, 125, 150, 175, 200, 225, 250

750, 725, 700, 675, 650, 625, 600, 575, 550, 525

3. a. it skipped 2, 325

b. It skipped 950.

4. 75, 125, 300

5. 4000, 5000, 6000, 7000

19, 000, 18,000, 17,000, 16,000, 15,000

6. Never

Always

Sometimes

For the challenge check your answer with your teacher.

# 09.06.20

# I can count in multiples of 6, 7 and 9.

https://www.bbc.co.uk/teach/supermovers/ks2-maths-multiples-mash-up-march-with-mr-p/zkdy2sg

# Counting in multiples of 6 on a 100 square

Go to this website and click on a number to colour it in.
http://www.mathszone.net/mw/number/100sq/index.html

Start by counting in multiples of 6 starting from 6. Colour in your 3s as well

Are there any patterns you notice?

+6 +6 +6

6, 12, 18, 24

Can you try counting forwards in 6s from these numbers:

24 -

36 –

Now try counting backwards in 6s from:

66 –

36 -

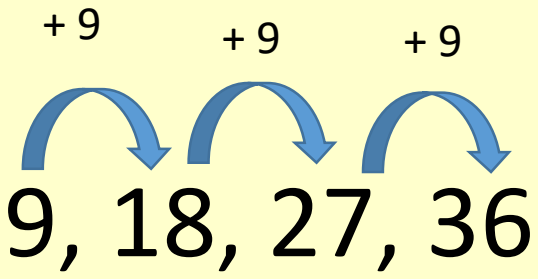
You might notice that when you count in 6s you are doubling 3s.

So my 6 times tables are doubles of my 3 times tables.

# Counting in multiples of 9 on a hundreds square

Using the 100 square again
http://www.mathszone.net/mw/number/100sq/index.html

This time count in multiples of 9.




What do you notice this time?

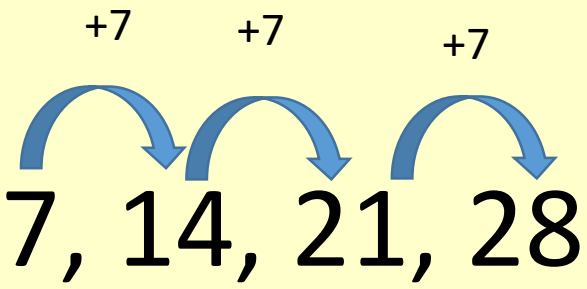
Are there any patterns or connections to other tables?

Is there anything that can help you when remembering your 9 times tables?

# Counting in multiples of 7 on a hundreds square

Using the 100 square again
http://www.mathszone.net/mw/number/100sq/index.html

Count from 0 in multiples of 7.




What do you notice?

Are there any patterns you can spot?

Is there anything that can help you with solving your 7 times tables?

# Finding missing numbers in a sequence

When given questions that look like this:

7, ____, 21, 28

You need to think about how much is being added on each time or what multiple are they counting up by.

In this one we can see that the are counting up by multiples of 7.

Sometimes there are more difficult

42, 51, ____

Once again work out the difference between the numbers you are given. 51 – 42 = 9. SO I am counting in multiples of 9.

# Activities:

1. What are the missing numbers in this sequence?

| | | | | |
|---|---|---|---|---|
| 9 | 18 | 27 | ___ | 45 |
| 54 | ___ | 72 | 81 | 90 |

2. What do you notice about counting in multiples of 5 and 6?

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 times table: | 5 | 10 | 15 | 20 | 25 | 30 |
| 6 times table: | 6 | 12 | 18 | 24 | 30 | 36 |

3. The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

| | | | | | |
|---|---|---|---|---|---|
| | 42 | 49 | | 63 | |

4. Which numbers are multiples of 7?

27 42 52 63 77

5. Write the missing numbers in this sequence.

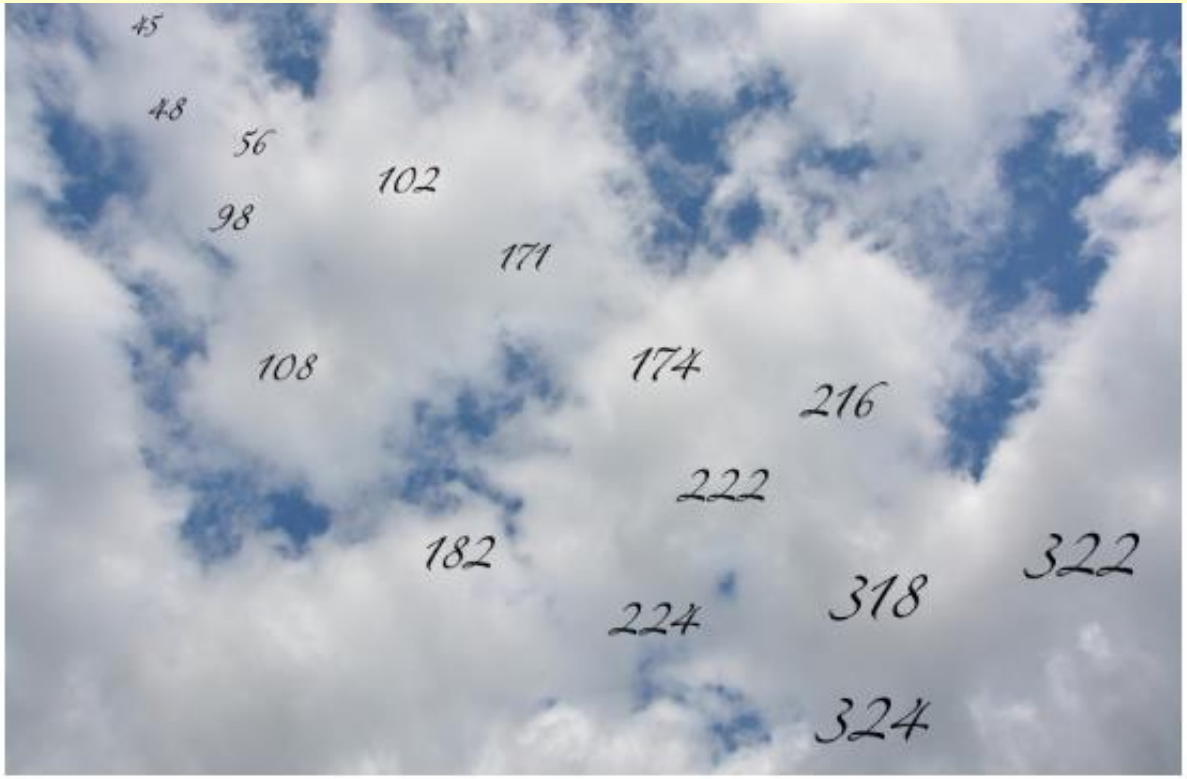
| | | | | | | |
|---|---|---|---|---|---|---|
| | 24 | 30 | | 42 | 48 | |

6. This number square is torn.

| | | | |
|---|---|---|---|
| 6 | 12 | 18 | 24 |
| 30 | 36 | 42 | 48 |
| 54 | 60 | | |
| 78 | | | |

What **was** the largest number on the square **before** it was torn?

# Challenge




Which of these numbers would you come to when counting in sixes from zero?
How do you know?

Would you get to some of these numbers if you were counting in sevens from zero? Which ones?
Can you explain how you arrived at your answers?

Could some of these numbers be reached if you were counting in nines from zero? Which ones?
Again, how do you know?