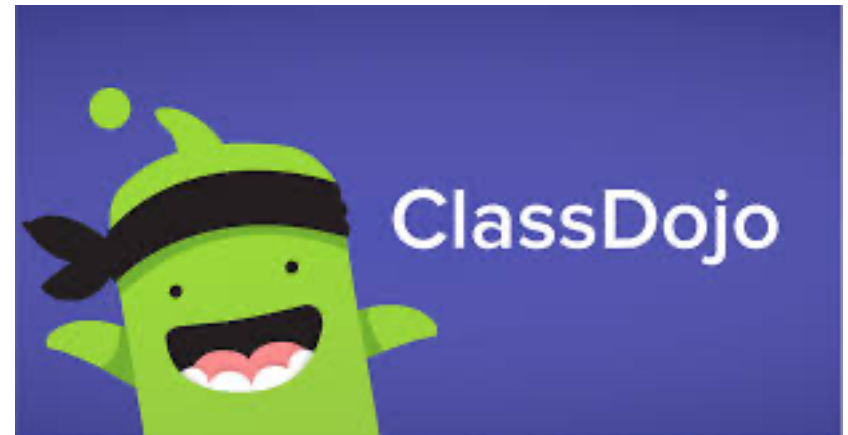# Maths Lesson
# Year 3

Write your date and title in your exercise book.

## 26.2.21

## Can I count on and back in multiples of 4, 8, 50 and 100?

Don't forget to take a photo of your work and post it on class dojo.

ClassDojo

# <u>Warm up</u>

Practise your 4 and 8 times tables

4 x 3 =                4 x 4 =                8 x 8 =

4 x 12 =               4 x 8 =                8 x 5 =

4 x 1 =                4 x 9 =                8 x 3 =

4 x 7 =                8 x 6 =                8 x 10 =

4 x 5 =                8 x 11 =               8 x 0 =

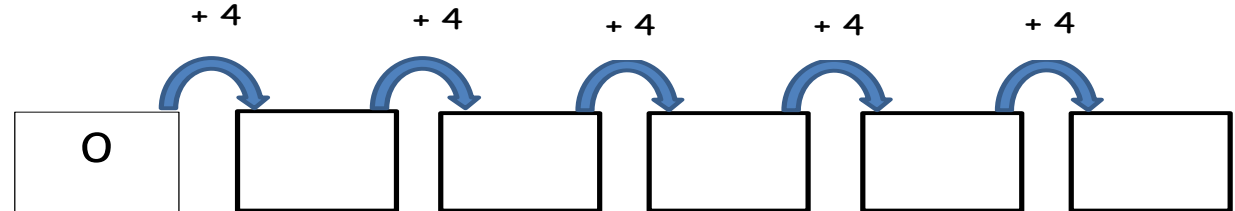4 x 10 =               8 x 2 =                8 x 4 =

# Main Lesson:

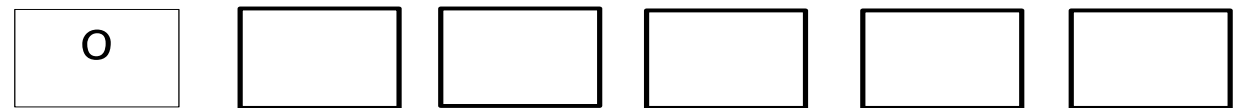It's an important skill to be able to count on and back in multiples of numbers.
Try these:

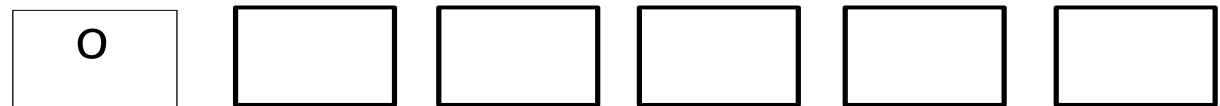Count from 0 in multiples of 4, 8, 50 and 100.
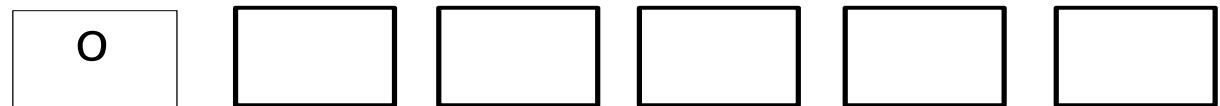
a) Count on in multiples of 4

+ 4    + 4    + 4    + 4    + 4

| 0 | | | | |
|---|---|---|---|---|

b) Count on in multiples of 8

| 0 | | | | |
|---|---|---|---|---|

c) Count on in multiples of 50

| 0 | | | | |
|---|---|---|---|---|

d) Count on in multiples of 100

| 0 | | | | |
|---|---|---|---|---|

f) Count back in multiples of 4 from 40

| | | | | | 40 |
|---|---|---|---|---|---|

Count from 0 in multiples of 4, 8, 50 and 100.

# Answers!

a) Count on in multiples of 4

+ 4    + 4    + 4    + 4    + 4

| 0 | 4 | 8 | 12 | 16 | 20 |

b) Count on in multiples of 8

| 0 | 8 | 16 | 24 | 32 | 40 |
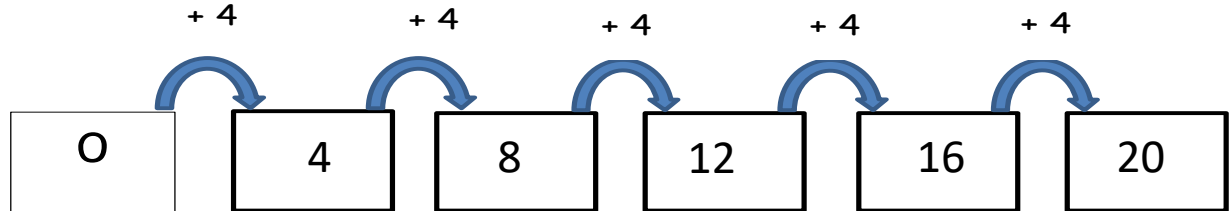
How did you do?
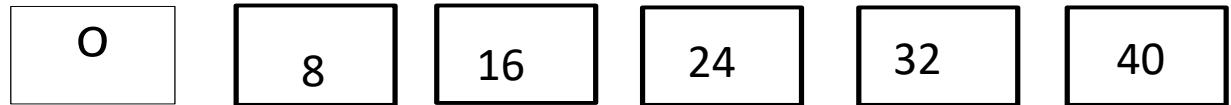
c) Count on in multiples of 50

| 0 | 50 | 100 | 150 | 200 | 250 |

d) Count on in multiples of 100

| 0 | 100 | 200 | 300 | 400 | 500 |

f) Count back in multiples of 4 from 40

| 20 | 24 | 28 | 32 | 36 | 40 |
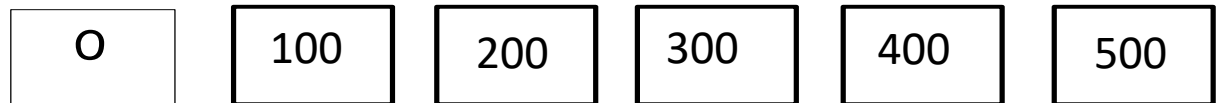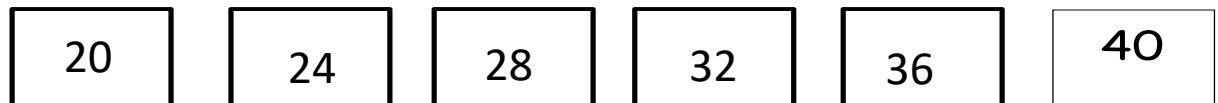
# COUNTING 1

**TARGET** To count in multiples of 4, 8, 50 and 100 from 0.

**Examples**

Count on five steps of 4 from 0.



Answer 20

Count on four steps of 8 from 0.



Answer 32

## A

Start at 0.
What number do you reach if you count:

1. six steps of 3
2. four steps of 5
3. seven steps of 2
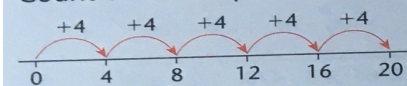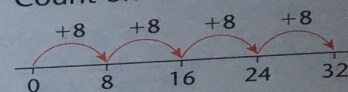4. three steps of 10
5. five steps of 2
6. nine steps of 3
7. seven steps of 10
8. six steps of 5
9. ten steps of 10
10. eight steps of 2
11. nine steps of 5
12. seven steps of 3
13. ten steps of 2
14. seven steps of 5
15. five steps of 3
16. eight steps of 10?

## B

Start at 0.
What number do you reach if you count:

1. five steps of 4
2. fourteen steps of 2
3. four steps of 50
4. three steps of 8
5. six steps of 100
6. seven steps of 4
7. fifteen steps of 10
8. six steps of 50
9. six steps of 8
10. ten steps of 100
11. eleven steps of 3
12. nine steps of 50
13. nine steps of 4
14. twelve steps of 5
15. seven steps of 100
16. five steps of 8?

## C

Start at 0.
What number do you reach if you count:

1. six 6s
2. four 9s
3. five 25s
4. three 7s
5. seven 9s
6. eight 6s
7. five 7s
8. ten 25s?

What number do you reach?

9. Start at 13.
   Count on eight 2s.
10. Start at 24.
    Count on six 5s.
11. Start at 10.
    Count on five 4s.
12. Start at 15.
    Count on seven 10s.
13. Start at 6.
    Count on three 8s.
14. Start at 20.
    Count on nine 50s.
15. Start at 11.
    Count on six 3s.
16. Start at 153.
    Count on four 100s.

Try these questions.

<u>Think!</u>
How are you going to set out your work?
Start at 0 each time.

A = Easy
B = Medium
C = Hardest

# LO: to count in 4s, 8s, 50s and 100s

Complete the following sequences:

a) ___    8  12  16  20 ___          f) ___  64  56 ___  40  32

b) 64  56 ___  40 ___  24          g) 350  400 ___  500 ___  600

c) ___    100  150  200 ___  300    h) 1100 ___ ___  800  700  600

d) 900 ___ ___  600  500  400      i) ___ ___  84  80  76  72

e) 56 ___  64  68 ___  76          j) 80  88 ___ ___  112  120

Extra challenge!

Continue the following sequences:

k) 4   8   12   ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

l) 8  16   24   ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

m) 50  100  150 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

n) 100  200  300 ___ ___ ___ ___ ___ ___ ___ ___ ___

o) 80  84  88 ___   ___ ___ ___ ___ ___ ___ ___ ___ ___

p) 1250  1200  1150 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

q) 144  136  128 ___ ___ ___ ___ ___ ___ ___ ___ ___
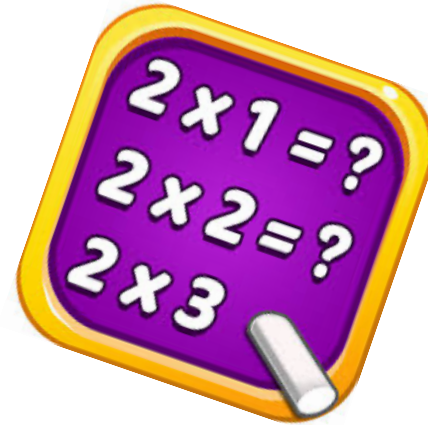
r) 1500  1400  1300 ___ ___ ___ ___ ___ ___ ___ ___ ___

s) 124  120  116 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

## Challenge

Explain the relationship between counting in 4s and 8s and compare this to the relationship between counting in 50s and 100s.

# If you have time...

Try a times tables game on this website.

https://www.topmarks.co.uk/maths-games/7-11-years/times-tables

Don't forget to take a photo of your work and post it on class dojo.