1. [Counting]

- Decide on a movement e.g. left to right / top row first.
- Touch each object.
- Count out loud.

Q. How many bows are there?

A. *9*
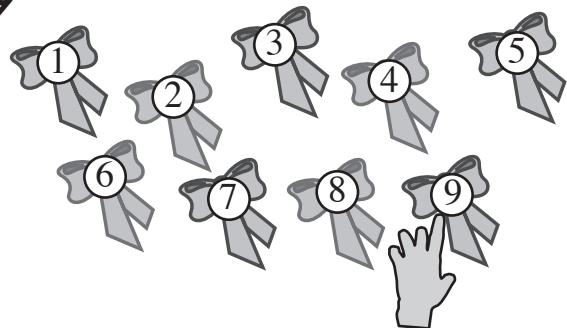
a) How many dolphins are there?
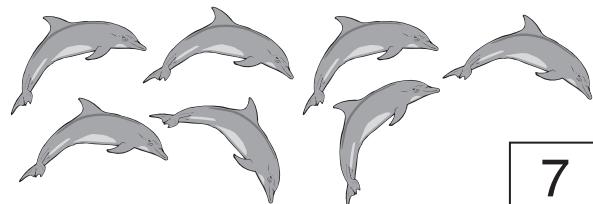
7

b) How many presents are there?
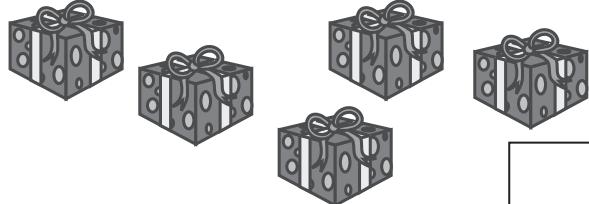
c) How many frogs are there?
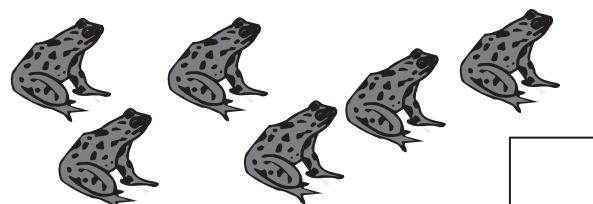
d) How many teddies are there?
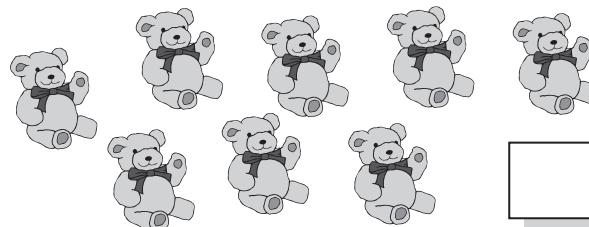
e) How many hay bales are there?
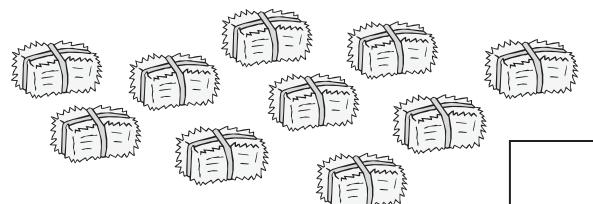
f) How many ducks are there?
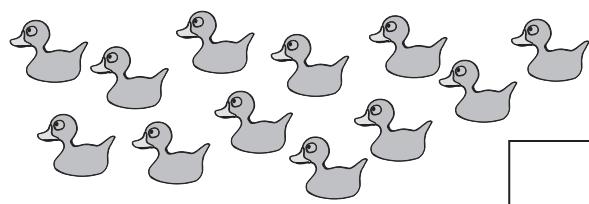
g) How many fish are there?
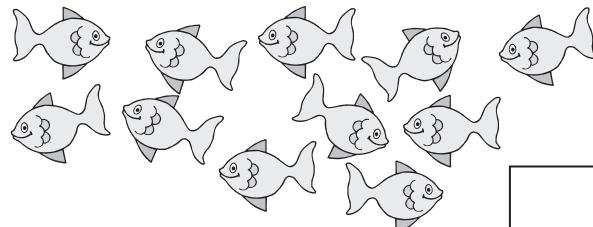
h) How many starfish are there?

Skill 1.2   Investigating number sequences by finding numbers before and after a number.

MM2.2 1 **1** 2 2 3 3 4 4
MM3.1 **1** 1 2 2 3 3 4 4

After the number	Before the number
• Count on once.	• Think of a smaller number and count on.

Q. Write the numbers before and after 26.

	26	

A. **25** *26* **27**
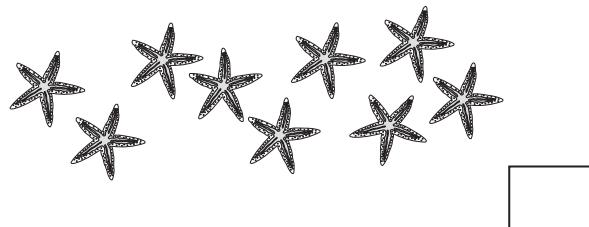
Count on:
26, 27, 28 ...
Count on:
23, 24, 25, 26 ...

a) Write the numbers before and after 13.

12	13	14

b) Write the numbers before and after 23.

	23	

c) Write the numbers before and after 44.

	44	

d) Write the numbers before and after 38.

	38	

e) Write the numbers before and after 51.

	51	

f) Write the numbers before and after 69.

	69	

g) Write the numbers before and after 72.

	72	

h) Write the numbers before and after 90.

	90	

i) Write the numbers before and after 18.

	18	

j) Write the numbers before and after 55.

	55	

k) Write the numbers before and after 121.

	121	

l) Write the numbers before and after 170.

	170	

m) Write the numbers before and after 127.

	127	

n) Write the numbers before and after 636.

	636	

Q. Count backwards from 43.

| 43 | 42 | | | | |

A. *43 42 **41 40 39 38***

a) Count on from 28.

| 28 | 29 | 30 | 31 | 32 | 33 |

b) Count on from 7.

| 7 | 8 | | | | |

c) Count backwards from 9.

| 9 | 8 | | | | |

d) Count on from 18.

| 18 | 19 | | | | |

e) Count on from 76.

| 76 | 77 | | | | |

f) Count backwards from 15.

| 15 | 14 | | | | |

g) Count on from 43.

| 43 | 44 | | | | |

h) Count backwards from 94.

| 94 | 93 | | | | |

i) Count backwards from 304.

| 304 | | | | |

j) Count on from 200.

| 200 | | | | |

k) Count on from 189.

| 189 | | | | |

l) Count backwards from 553.

| 553 | | | | |

m) Count on from 1005.

| 1005 | | | |

n) Count on from 5998.

| 5998 | | | |

Q. When counting by 3s, what is the next number?

3 , 6 , 9 , 12 , 15 , 18 , ☐

A. *21*

a) Count by 2s.

| 2 | 4 | 6 | 8 | 10 |

b) Count by 4s.

| 4 | 8 | | | | |
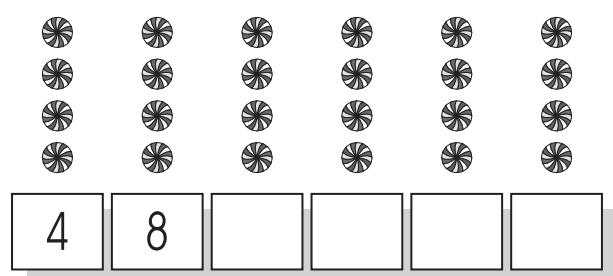
c) When counting by 2s, what is the next number?

2 , 4 , 6 , 8 , 10 , 12 , 14 , ☐

d) When counting by 5s, what is the next number?

5 , 10 , 15 , 20 , 25 , 30 , ☐

e) Use the hearts to show counting by 3s.

| 3 | | | | | |
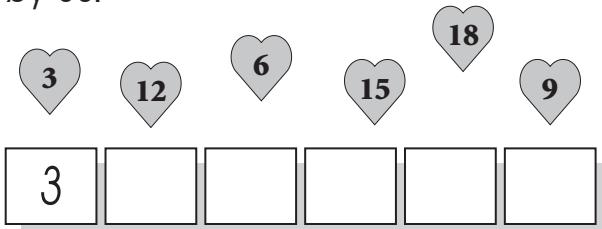
f) Use the balls to show counting by 5s.

| 5 | | | | | |
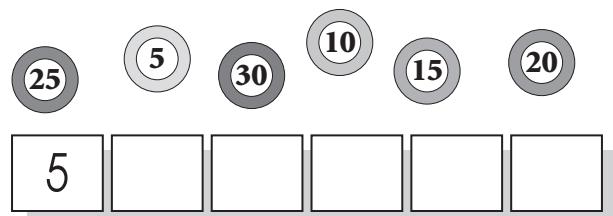
g) Use the bells to show counting by 4s.

| 4 | | | | | |
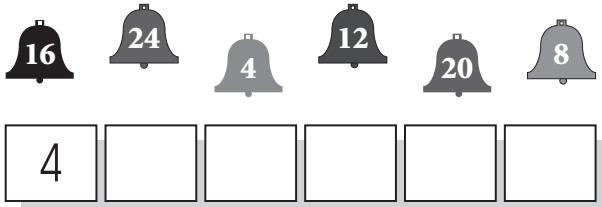
h) Use the hens to show counting by 2s.

| 2 | | | | | |
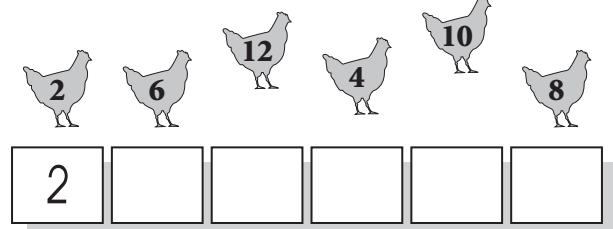
i) Count by 5s.

| 5 | | | | | |

j) Count by 3s.

| 3 | | | | | |

Hint: *When you count by 10s the last digit stays the same.*

Q. Count forwards by 10s.   **A.** *19 29* **39 49 59 69**

| 19 | 29 | | | | |

a) Count backwards by 10s.

| 68 | 58 | 48 | 38 | 28 | 18 |

b) Count forwards by 10s.

| 10 | 20 | | | | |

c) Count forwards by 10s.

| 43 | 53 | | | | |

d) Count backwards by 10s.

| 57 | 47 | | | | |

e) Count forwards by 10s.

| 22 | 32 | | | | |

f) Count backwards by 10s.

| 60 | 50 | | | | |

g) Count forwards by 10s.

| 18 | 28 | | | | |

h) Count backwards by 10s.

| 99 | 89 | | | | |

i) Count forwards by 10s.

| 800 | | | | |

j) Count forwards by 10s.

| 112 | | | | |

k) Count backwards by 10s.

| 560 | | | | |

l) Count forwards by 10s.

| 302 | | | | |

m) Count forwards by 10s.

| 2530 | | | |

n) Count forwards by 10s.

| 1010 | | | |

o) Count forwards by 100s.

200				

p) Count backwards by 100s.

800				

q) Count backwards by 100s.

500				

r) Count forwards by 100s.

300				

s) Count forwards by 100s.

100				

t) Count forwards by 100s.

202				

u) Count backwards by 100s.

700				

v) Count forwards by 100s.

50				

w) Count forwards by 1000s.

1000			

x) Count backwards by 1000s.

9000			

y) Count forwards by 1000s.

4000			

z) Count forwards by 1000s.

6000			

A) Count backwards by 1000s.

5000			

B) Count backwards by 1000s.

8000			

- Find the amount added to get from one number to the next number.
- Add that amount to continue the pattern.

Q. Complete the skip counting pattern.

33 36 ☐ | 42 45 ☐ | 51 ☐

A. *33 36 **39** 42 45 **48** 51 **54***

3 is added to 33 to get to 36, so add 3 to 36 to get 39. Continue adding 3.

a) Complete the skip counting pattern.

15 20 | 25 | 30 | 35 | 40 | 45

b) Complete the skip counting pattern.

6 8 ☐ | 12 ☐ | 16 ☐

c) Complete the skip counting pattern.

110 ☐ | 130 ☐ | 150 ☐

d) Complete the skip counting pattern.

40 44 48 ☐ | ☐ | 60 ☐ | 68

e) Complete the skip counting pattern.

250 ☐ | ☐ | 280 290 ☐

f) Complete the skip counting pattern.

21 24 ☐ | 30 ☐ | 36 ☐ | 42

g) Complete the skip counting pattern.

4 8 12 ☐ | 20 ☐ | 28 ☐

h) Complete the skip counting pattern.

4 6 ☐ | ☐ | ☐ | ☐ | 16

i) Complete the skip counting pattern.

10 20 ☐ | ☐ | 50 ☐ | ☐

j) Complete the skip counting pattern.

46 48 50 ☐ | 54 ☐ | ☐ | 60

k) Complete the skip counting pattern.

25 30 ☐ | 40 45 ☐ | 55 ☐

l) Complete the skip counting pattern.

36 39 ☐ | 45 ☐ | ☐ | 54

Skill 1.7 Counting forwards by numbers from 1 to 9 from a larger number (1).

Q. Count on by 7s from 35.

35					

A. 35 **42 49 56 63 70**

a) Count on by 4s from 4.

4	8	12	16	20	24

b) Count on by 3s from 6.

6					

c) Count on by 4s from 12.

12					

d) Count on by 3s from 15.

15					

e) Count on by 5s from 20.

20					

f) Count on by 2s from 28.

28					

g) Count on by 3s from 33.

33					

h) Count on by 5s from 50.

50					

i) Count on by 4s from 20.

20					

j) Count on by 2s from 46.

46					

k) Count on by 8s from 16.

16					

l) Count on by 9s from 18.

18					

m) Count on by 6s from 18.

18					

n) Count on by 7s from 14.

14					

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Skill 1.7   Counting forwards by numbers from 1 to 9 from a larger number (2).

o) Count on by 3s from 90.

| 90 | | | | |

p) Count on by 5s from 110.

| 110 | | | | |

q) Count on by 4s from 204.

| 204 | | | | |

r) Count on by 9s from 81.

| 81 | | | | |

s) Count on by 6s from 120.

| 120 | | | | |

t) Count on by 2s from 96.

| 96 | | | | |

u) Count on by 8s from 800.

| 800 | | | | |

v) Count on by 4s from 112.

| 112 | | | | |

w) Count on by 5s from 560.

| 560 | | | | |

x) Count on by 9s from 108.

| 108 | | | | |

y) Count on by 7s from 70.

| 70 | | | | |

z) Count on by 4s from 304.

| 304 | | | | |

A) Count on by 8s from 640.

| 640 | | | | |

B) Count on by 6s from 360.

| 360 | | | | |

Even numbers
- Consider the last digit.
  It must be 0, 2, 4, 6, 8.

Odd numbers
- Consider the last digit.
  It must be 1, 3, 5, 7, 9.

Q. Which of these numbers is odd?

8 , 104 , 96 , 52 , 39 , 50

A. *39*

39 is the only number that ends in a 1, 3, 5, 7 or a 9 so it is odd.

8 , 104 , 96 , 52 and 50

all end in either
0, 2, 4, 6 or 8, so they are all even.

---

a) Circle the even numbers.

55   ⟨10⟩   ⟨48⟩   35   ⟨26⟩   61   107

b) Circle the even numbers.

22   13   17   45   29   41   110

c) Circle the odd numbers.

174   20   52   35   18   81   304

d) Circle the odd numbers.

22   14   37   82   16   93   138

e) Circle the odd numbers.

124   83   27   16   92   108   20

f) Circle the even numbers.

135   56   97   24   19   21   78

g) Which of these numbers is even?
18 , 7 , 99 , 145 , 87 , 23

h) Which of these numbers is odd?
8 , 104 , 96 , 52 , 47 , 50
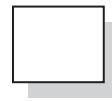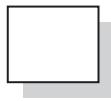
i) Which of these numbers is odd?
16 , 98 , 114 , 22 , 30 , 41

j) Which of these numbers is even?
25 , 76 , 39 , 207 , 49 , 81
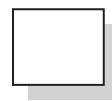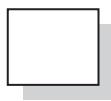
k) Which of these numbers is odd?
24 , 56 , 18 , 92 , 33 , 100

l) Which of these numbers is even?
15 , 113 , 27 , 69 , 51 , 94

m) Is the sum of 16 and 14 an odd or an even number?

n) Is the sum of 15 and 22 an odd or an even number?

o) Is the sum of 14 and 11 an odd or an even number?

**p)** Is the sum of 23 and 22 an odd or an even number?

q) Is the sum of 25 and 33 an odd or an even number?

r) Is the sum of 46 and 13 an odd or an even number?

s) Redraw the shape with an even number of sides.
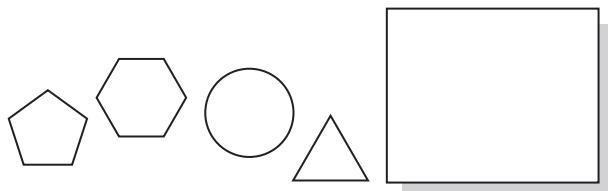
**t)** Redraw the shape with an odd number of sides.
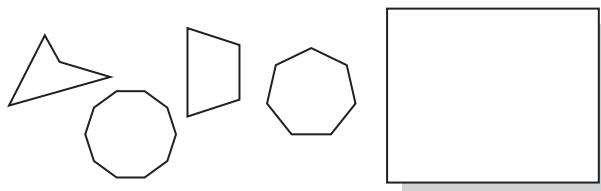
u) Redraw the shape with an even number of sides.
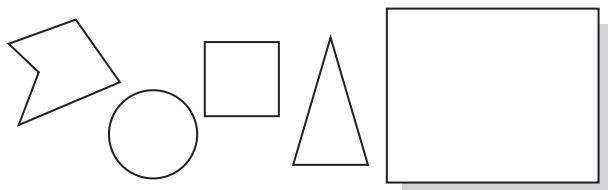
v) Redraw the shape with an odd number of sides.
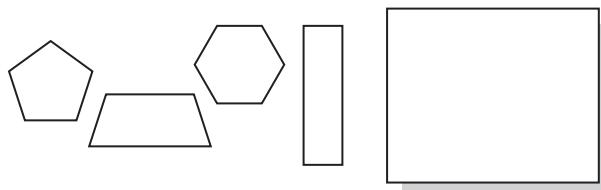
w) Redraw the shape with an odd number of sides.
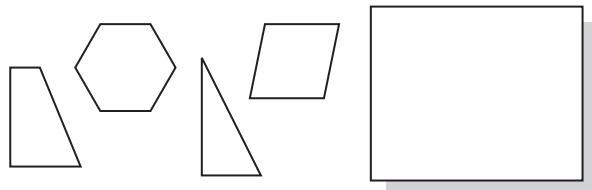
x) Redraw the shape with an even number of sides.
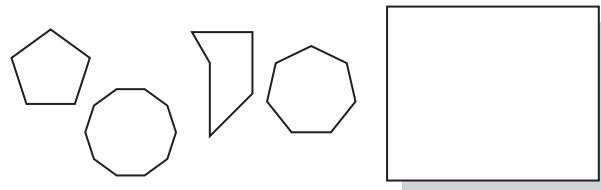
- Find the difference between any 2 given numbers that are one after the other.
- Count on from the first number in the number line by this amount.

Q. Complete the number line.

15 [ ] 25 30 [ ] [ ] [ ] 50

**A.**
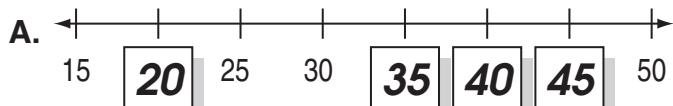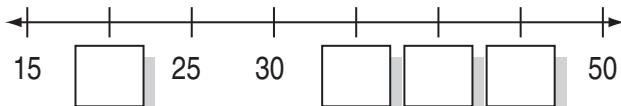
15 **20** 25 30 **35** **40** **45** 50

The two given numbers, one after the other, are 25 and 30.
The difference between 25 and 30 is 5.
Count on by 5s from 15:
15, 20, 25, 30, 35, 40, 45, 50

a) Complete the number line.
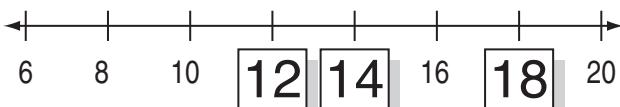
6 8 10 **12** **14** 16 **18** 20

b) Complete the number line.
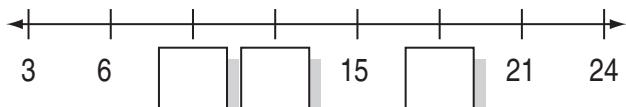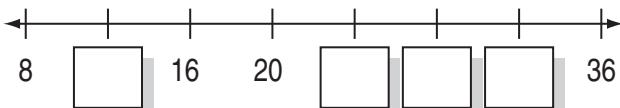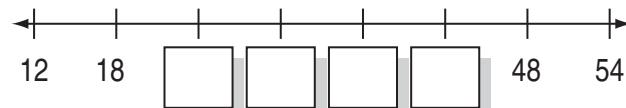
3 6 [ ] [ ] 15 [ ] 21 24

c) Complete the number line.

8 [ ] 16 20 [ ] [ ] [ ] 36

d) Complete the number line.

12 18 [ ] [ ] [ ] [ ] 48 54

e) Complete the number line.
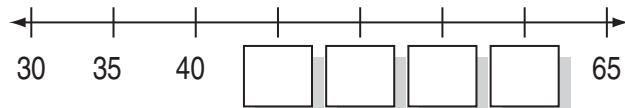
30 35 40 [ ] [ ] [ ] [ ] 65

f) Complete the number line.

20 [ ] [ ] 50 60 [ ] [ ] 90

g) Complete the number line.

20 [ ] [ ] 32 36 [ ] [ ] 48

h) Complete the number line.

15 18 [ ] [ ] [ ] [ ] 33 36
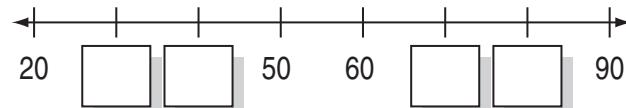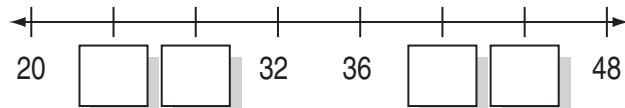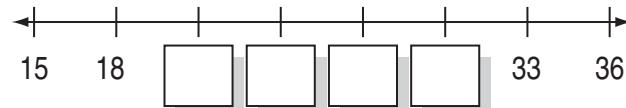
i) Complete the number line.

14 21 [ ] [ ] [ ] 49 [ ] 63
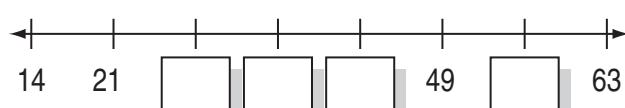
j) Complete the number line.

24 [ ] [ ] [ ] 48 54 [ ] 66

Q. Count by 6s.

6	12				
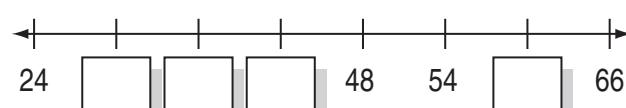
A. *6 12 **18 24 30 36***

a) When counting by 9s, what is the next number?

9 , 18 , 27 , 36 , 45 , 54 , **63**

b) When counting by 7s, what is the next number?

7 , 14 , 21 , 28 , 35 , 42 , ☐

c) When counting by 8s, what is the next number?

8 , 16 , 24 , 32 , 40 , 48 , ☐

d) When counting by 6s, what is the next number?

6 , 12 , 18 , 24 , 30 , 36 , ☐

e) Use the bells to show counting by 6s.

6					

f) Use the hens to show counting by 9s.

9					

g) Use the hearts to show counting by 7s.

7					

h) Use the balls to show counting by 8s.

8					

i) Count by 9s.

9	18				

j) Count by 7s.

7	14				

k) Count by 8s.

8	16				
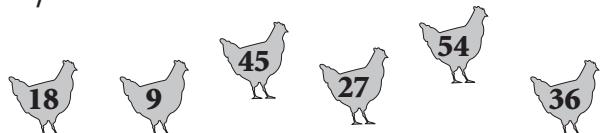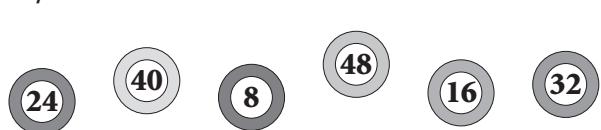
l) Count by 6s.

6	12				

Skill 1.11　　Counting forwards and backwards by a number greater than 1, from a larger number.

MM2.2 11 22 33 44
MM3.1 11 22 33 **4**4

- Count forwards or backwards by 1s.

Q. Start at 23. Count backward 5.

A. *18*

Count backward 5 by 1s:
23, 22, 21, 20, 19, 18
　　　1　2　3　4　5

a) Start at 15. Count forward 8.

23

b) Start at 12. Count forward 7.

c) Start at 24. Count backward 5.

d) Start at 36. Count backward 5.

e) Start at 34. Count forward 6.

f) Start at 64. Count forward 7.

g) Start at 25. Count backward 4.

h) Start at 45. Count backward 8.

i) Start at 69. Count forward 8.

j) Start at 91. Count backward 6.

k) Start at 119. Count backward 9.

l) Start at 135. Count forward 6.

m) Start at 195. Count forward 8.

n) Start at 203. Count backward 7.