

## Quantitative Comparison Test 9

1.  $x$  is 3 less than  $y$

$x + 5$	$y + 2$
---------	---------

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

2.  $p + q = 3$ , and  $p - q = 6$

$q$	0
-----	---

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

3. A circle and a line lie in the same plane.

The greatest possible number of points that are on both the circle and the line.	2
--	---

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

4. Three boxes contain 20, 25 and 27 sweets respectively.

The least number of sweets that need to be transferred so that there is an equal number in each box.	5
--	---

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

5.

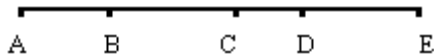
The sum of all the integers from -10 to 12 inclusive.	23
---	----

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

6. There are 28 students in a class all born in 1990

The probability that all their birthdays are in February	The probability that all their birthdays fall on a Friday
--	---

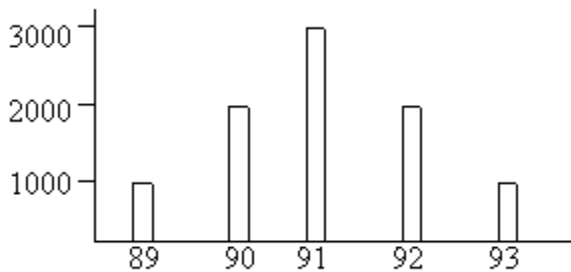
- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information



7. C is the midpoint of segment AE and  $AB < DE$

BC	CD
----	----

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information



8. This question and the next refer to the following:

The graph shows the sales figures for a certain company in five consecutive years.

Percentage increase in sales from 1989 to	Percentage fall in sales from 1991 to 1993
---	--

1991	
------	--

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

9. Refer to the previous question

The mean (average) of the 5 annual sales figures	The median of the 5 annual sales figures
--	--

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

10.  $n$  is a positive integer

$$p = 8 \times 9 \times 11 \times n$$

The remainder when $p$ is divided by 6	The remainder when $p$ is divided by 33
--	---

- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

## Answer Key

- 1. C
- 2. B
- 3. C
- 4. B
- 5. C
- 6. B
- 7. A
- 8. A
- 9. B

10. C