

Quantitative Comparison Test 7

1. 9 less than $4x = 39$

x	10
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- 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. $k^2 = 4$

$km = 6$

k	m
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- 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.

$3 \times 10^3 + 2 \times 10^2 + 10$	321×10
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- 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. A rectangle has area 30

Perimeter of this rectangle	25
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- 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. Farm X is 8 miles due west of farm Y, and farm Z is 7 miles due north of farm Y

Distance between X and Z	10 miles
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- 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. This question and the next refer to the following definition

For all non-negative numbers

$$x^{\#} = x + 1$$

$(9 \div 3)^{\#}$	$9^{\#} \div 3^{\#}$
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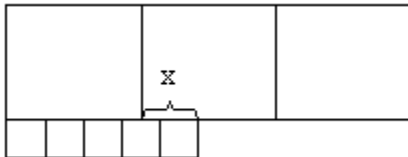
- A. The quantity on the left is greater
- B. The quantity on the right is greater
- C. Both are equal
- D. The relationship cannot be determined without further information

7. Refer to the data from the previous question

p and q are non-negative integers

$(p + q)^{\#}$	$p + q^{\#}$
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- 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. Figure not to scale

The figure above is composed of squares. The larger squares are each of area 49. The area of each small square is 4

x	3
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- 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. $n > 0$

n^{50}	n^{550}
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- 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. a is an exterior angle
b is an interior angle

The sum of the exterior angles of the figure	The sum of the interior angles of the figure
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- 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. A
2. D
3. C
4. D
5. A
6. A
7. C
8. C
9. D
10. B