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| **Exponent Rule** | **Example** |
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**Exercise A:**

1. If, what is the largest prime factor of 7
2. If , then what is y? 1
3. If and , what is x? 1, -1
4. Which is bigger or ?
5. Which is bigger or ?
6. , what is y? 1
7. , what is y? 1
8. 3
9. Quantity A

Quantity B: Equal

1. Quantity A

Quantity B:

1. Quantity A

Quantity B: CBD

1. Quantity A

Quantity B:

1. If x =2, the value of is? 66
2. Quantity A

Quantity B:

1. Quantity A

Quantity B:

1. Simplify 1
2. If , then x must be equal to? x=a/7, x=b/2
3. The quantity will end up in how many zeroes? 4
4. x is a positive odd integer

Quantity A:

Quantity B:

1. x and y are positive integers such that x < y. If = , then xy could equal
2. 36
3. 48
4. 54
5. 96
6. 108
7. 36<x<49

Quantity A:

Quantity B:

1. Quantity A:

Quantity B:

1. If , then n = 15
2. If , which of the following could be the value of N?
3. -10
4. -7
5. -3
6. 0
7. 3
8. 10
9. If -1 < x < 0, which of the following is correct?
10. Which of the following are equal to Indicate all correct answers.
11. If then n=-22
12. If , then n = 23
13. If then k= 12
14. If then = 108
15. If then a= c+b+0.5
16. Can you simplify so that the denominator becomes an integer? 3+
17. Quantity A:

Quantity B: 8800

1. Quantity A:

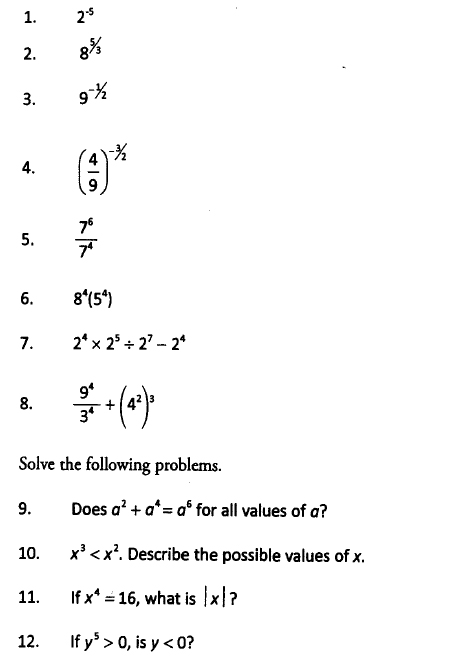
Quantity B:

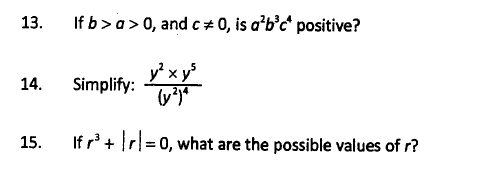
1. **Quantity A:** **Quantity B:**
2. Simplify
3. Given that x is an integer greater than 1

Quantity A:

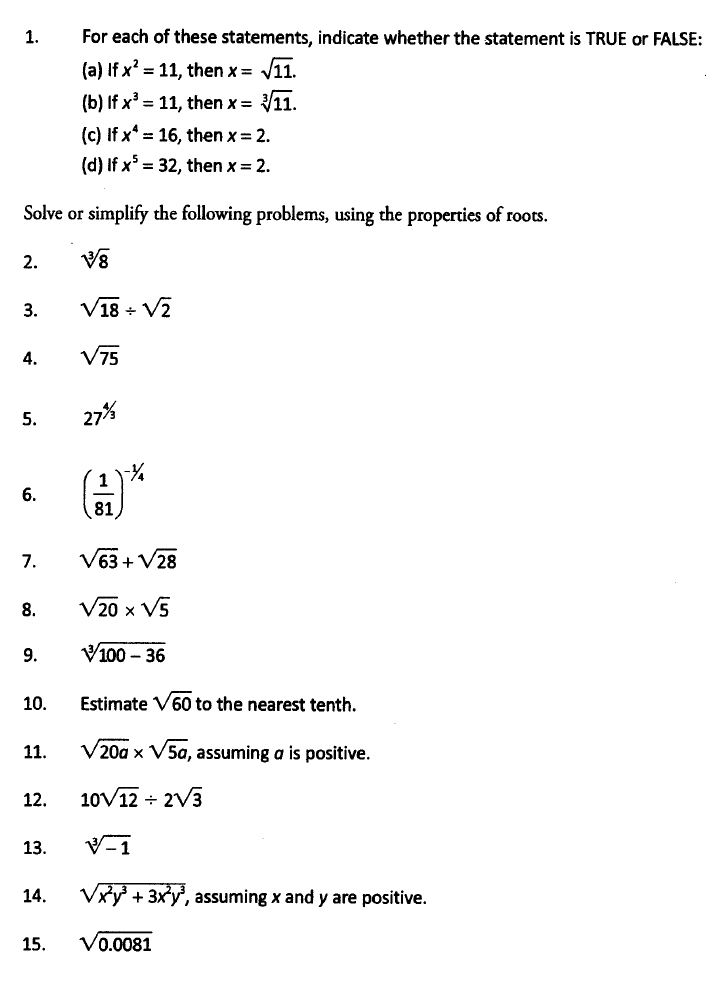
Quantity B: CBD

**Exercise B**

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**Exercise C**

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EXERCISE B

1) 1/32

2) 32

3) 1/3

4) 27/8

5) 49

6) 2,560,000

7) -12

8) 4,177

9) NO

10) Any non zero number less than 1

11) 2

12) NO

13) YES

14) 1/y

15) 0,-1

EXERCISE C

1) a) FALSE b) TRUE c) FALSE d) TRUE

2) 2

3) 3

4) 5√3

5) 81

6) 3

7) 5√7

8) 10

9) 4

10) 7.8

11) 10a

12) 10

13) -1

14) 2xy√y

15) 0.09