

Ex 100

1. State whether the given set is infinite or finite

1. Infinite
2. Finite
3. Infinite
4. Finite

2. Which of the following are empty sets

- i. empty
- ii. full
- iii. empty
- iv. empty
- v. full

3. State which pair of sets given are equal sets or which are equivalent

1. equal
2. equivalent
3. equal
4. equivalent

4. State whether the following sets are infinite or finite

- | | |
|-------------|--------------|
| 1. Infinite | 6. Finite |
| 2. Infinite | 7. Finite |
| 3. Infinite | 8. Infinite |
| 4. Finite | 9. Infinite |
| 5. Infinite | 10. Infinite |

5. State whether the following sets are empty or not

1 ~~empty~~ not empty

2 empty

3 empty

4 not empty

5 not empty

6 ~~not empty~~

7 not empty

6.1 equivalent

2 equal

3 equal

4 equal

5 equal

6 equivalent

7.1 finite

2 Infinite

3 finite

4 finite

5 Infinite

6 finite

8.1 false

2 false

3 true

4 false

5 true

6 true

7 true

8 false

- q11 disjoint because a girl can't be both a boy and a girl at the same time.
- q12 overlapping because boys of the age of 27 will be above ~~the~~ the age of 20.
- q13 ~~the~~ set A & B are overlapping because national numbers 51-59 are same
- q14 overlapping because both are Class IX
- q15 overlapping because 2d is same.
- q16 disjoint because nothing is same in the sets