

Name:

Date:

Topic:

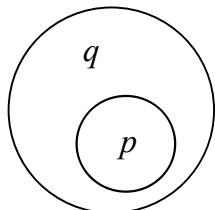
Class:

Main Ideas/Questions	Notes/Examples
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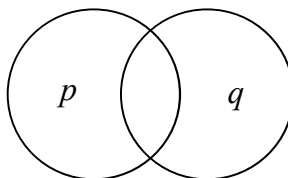
VENN DIAGRAMS

Venn diagrams are a useful way of to show relationships.

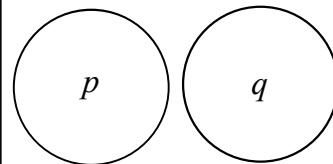
TYPES OF VENN DIAGRAMS



All elements of p are elements of q .



Some elements of p are elements of q .



There is no relationship between p and q .

Draw a Venn Diagram to represent each statement.

1. Some students who take chorus also take band.

2. No perfect squares are prime numbers.

3. Numbers divisible by 6 are always divisible by 3.

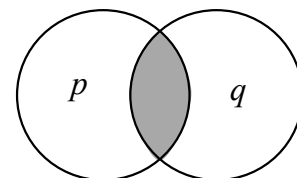
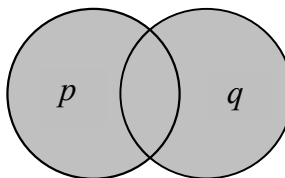
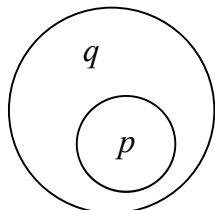
4. Every natural number is a whole number.

5. Some vertical angles are complementary.

6. Irrational numbers are never rational numbers.

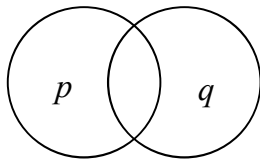
VENN DIAGRAMS & Logic

Describe each diagram with a conditional or compound statement.

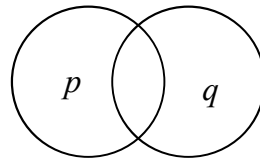


Shade the indicated region on the Venn diagram.

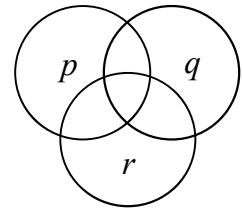
7. q



8. $p \wedge \sim q$

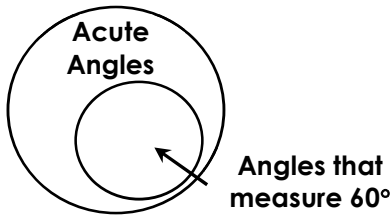


9. $p \vee (q \wedge r)$

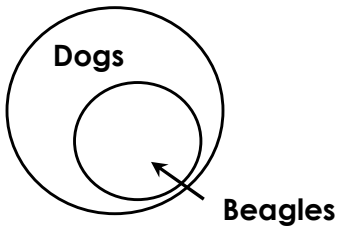


Describe each diagram using a conditional or compound statement.

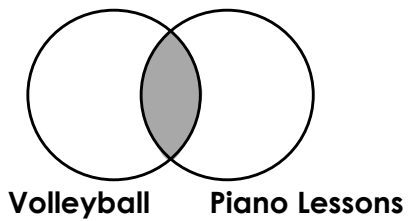
10.



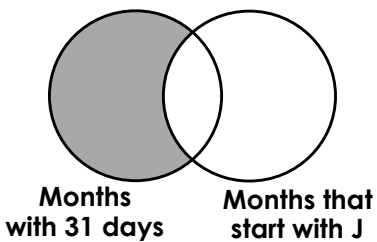
11.



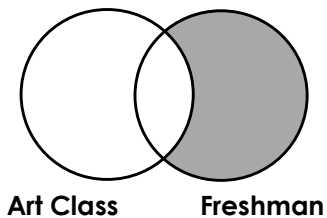
12.



13.



14.



15.

