

Sets and Venn Diagrams (A)



Section A Correctly list all the data in the sets.

Even numbers between 1 and 10 = { } }

Odd numbers between 5 and 15 = { } }

Section B Sort the data and choose the correct statement below, A, B, or C.

Even = {2, 4, 6, 8, 10}

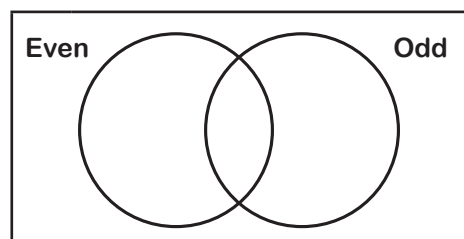
Odd = {1, 3, 5, 7, 9}

Even = {2, 4, 6, 8, 10}

Prime = {2, 3, 5, 7}

Even = {2, 4, 6, 8, 10, 12, 14, 16}

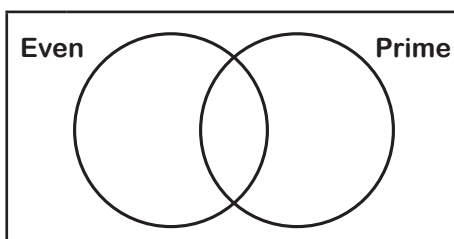
Square = {4, 9, 16, 25}



A Even \cup Odd = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

B Even \cup Odd = {0}

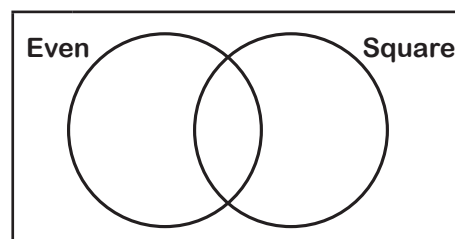
C Even \cup Odd = {1, 2, 5, 8}



A Even \cap Prime = {2, 4, 7}

B Even \cap Prime = {2}

C Even \cap Prime = {6, 8}

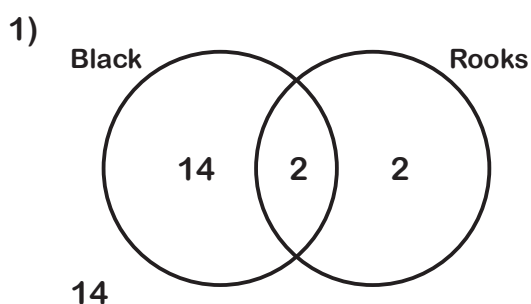


A Even \cap Square = {2, 4, 6}

B Even \cup Square = {4, 9, 16}

C Even \cap Square = {4, 16}

Section C

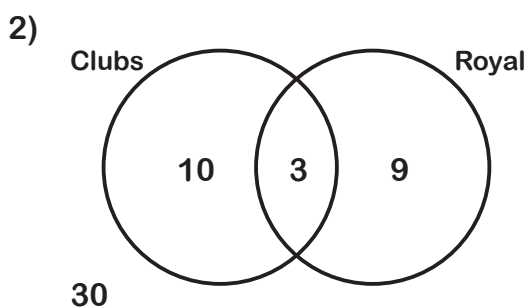


A Chess board has black pieces (B) and rooks (R).

1) How many pieces are black and rooks.

2) Describe $B \cup R$ in words.

3) How many pieces are B' ?



A pack of playing cards have clubs (C) and royal cards (R)

Number

$C \cup R$

$C' \cup R$

$C \cup R'$