

Sets and Venn Diagrams (A)

ANSWERS



Section A Correctly list all the data in the sets.

Even numbers between 1 and 10 = { 2, 4, 6, 8, 10 }

Odd numbers between 5 and 15 = { 5, 7, 9, 11, 13, 15 }

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

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

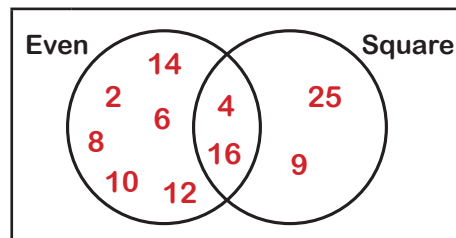
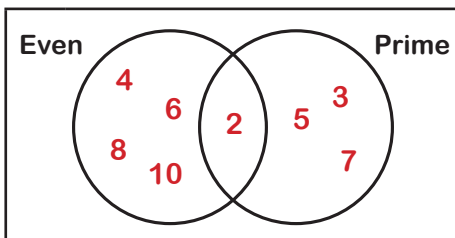
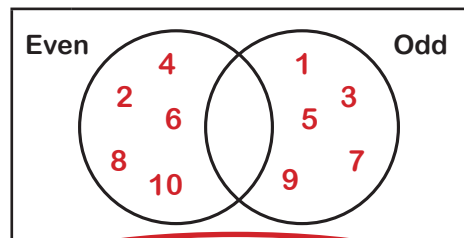
Odd = {1, 3, 5, 7, 9}

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 $Even \cap Prime = \{2\}$

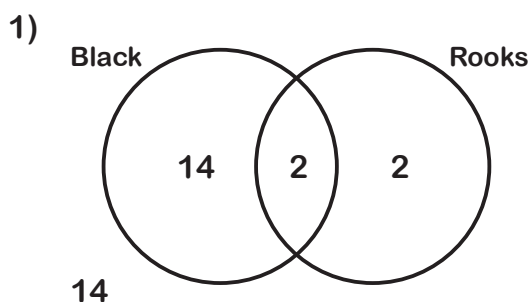
C $Even \cap Prime = \{6, 8\}$

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

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

C $Even \cap Square = \{4, 16\}$

Section C

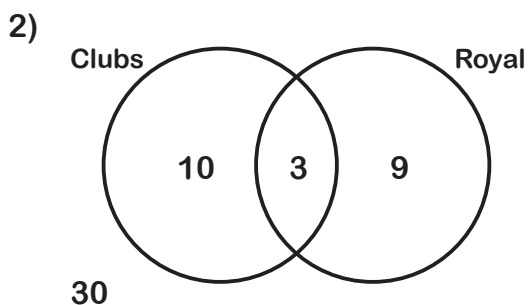


A Chess board has black pieces (B) and rooks (R).

1) How many pieces are black and rooks. **2**

2) Describe $B \cup R$ in words. **Black piece or Rook**

3) How many pieces are B'? **16**



A pack of playing cards have clubs (C) and royal cards (R)	Number
$C \cup R$	22
$C' \cup R$	9
$C \cup R'$	43