A fair six-sided die is rolled.

- ▪ P(even number)

- ▪ What is the probability that the top face of the die displays a seven?

A card is drawn from a fair poker deck.

- ▪ What is the probability that the card is a red seven?

- ▪ What is the probability that the card is a seven?

A card is drawn from a fair poker deck.

- ▪ P(♠)

- ▪ P(red card)

A pair of fair six-sided dice is rolled.

- ▪ P(at least one die displays a 2)

- ▪ P(only one die displays a 2)

- ▪ P(doubles)

A pair of fair six-sided dice is rolled.

- ▪ P(sum of the numbers is seven)

- ▪ P(sum is four)

A pair of fair six-sided dice is rolled.
- ▪ P(sum is one)

- ▪ P(sum is twelve)

What is the probability that a family with four children has two (2) boys and two (2) girls?

What is the sample space for the possible genders for the four (4) children in the family???