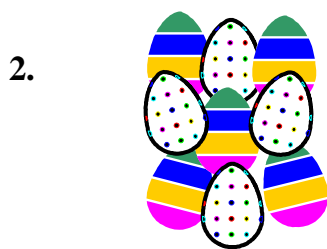
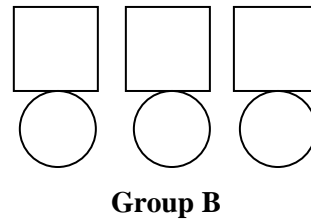
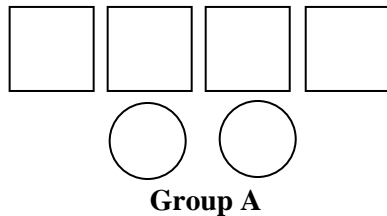


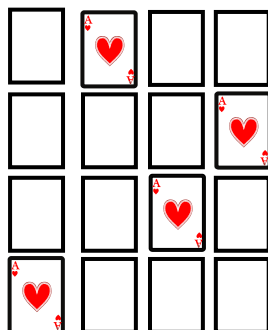
Calculating 'best chance'

1. A square has to be picked from one of these sets. Which set gives the best chance?



- Which egg is more likely to be chosen from this group? Stripes or dots?

3. In a game at the funfair you win if you throw a dart and it lands on an Ace.



- (a) Is this a fair game?
 (b) Why do you say this?
 (c) Why do the fair owners do this?
 (d) What are the chances that you will win a prize?

4. Two classes are to send pupils on a school trip.
 The pupils are chosen at random.

Class 3A has 25 pupils and can send 4 of them on the trip.

Class 3B has 30 pupils and can send 5 of them on the trip.

In which class does any one pupil have a better chance of being selected to go on the trip?

Justify your answer by calculation.

5. Two tennis clubs have received tickets for their members to attend a tournament.
The club members are chosen at random.

Club A has 70 members and has received 12 tickets.
Club B has 110 members and has received 18 tickets.

In which club does any one member have a better chance of being selected?
Justify your answer by calculation.

6. Three hockey teams play in the same league.

Team A have won 7 out of their 10 games.
Team B have won 8 out of their 12 games.
Team C have won 10 out of their 16 games.

Which team has the best winning record?

Justify your answer by calculation.

7. Three rugby teams play in the same town.

Team A have won 8 out of their 13 games.
Team B have won 10 out of their 16 games.
Team C have won 13 out of their 20 games.

Which team has the best winning record?
Justify your answer by calculation.