

CASH OR COIN?

Would you take the risk?



- ▶ You need a piece of scrap paper, and a pencil or pen.

CASH OR COIN?

- ▶ You are the winner of a TV game show, and your prize is £10,000.
- ▶ The game show host is ready to give you the £10,000 in cash, but offers you a gamble.

CASH OR COIN?



CASH

- ▶ Either you keep the £10,000...

COIN

- ▶ ...or you give back the £10,000 for the chance to toss a coin.
- ▶ If it is heads, you will win £100,000.
- ▶ If it is tails, you will have to pay the TV company £50,000.

WHAT DO YOU CHOOSE –
CASH OR COIN?

CASH OR COIN?

Write your choice on the paper, fold it up and hand it in.

We shall see what the class decides.

CASH

- ▶ What proportion of the class will opt to take the money?
- ▶ Why would some take the safe option?
- ▶ Is the gamble worth it?

COIN

- ▶ How would you deal with losing £50,000?
- ▶ What hypotheses could you explore here? E.g.
 - ▶ More boys than girls would choose to gamble and toss the coin;
 - ▶ If we changed the amounts of money, we may get different results for this survey

BEFORE YOU FIND THE CLASS
DECISION