Simple probability - packs of cards

Name:	Class:	Date:

Mark	/ 6	%

1) If you select a card at random from a standard pack of 52 playing cards (ace is counted as 1), find the probability of choosing

a) a six of Diamonds

b) a Club

c) a six

[1]

2) If you select a card at random from a standard pack of 52 playing cards (ace is counted as 1), find the probability of choosing

a) an Ace of Diamonds

b) a Heart

c) an Ace

[1]

3) If you select a card at random from a standard pack of cards (ace is counted as 1), find the probability of choosing

a) a Jack of Hearts

b) a Heart or Club

c) a number smaller than 8

[1]

4) If you select a card at random from a standard pack of cards (ace is counted as 1), find the probability of choosing

a) an Ace of Spades

b) a Club or Spade

c) a number smaller than 9

[1]

5) A card is drawn randomly from a standard 52-card deck. [1]

Find the probability that the card drawn is

a) a spade or two

b) a jack or club

c) a three or red card

6) A card is drawn randomly from a standard 52-card deck. [1]

Find the probability that the card drawn is

a) a diamond or eight

b) a king or heart

c) a five or black card

Solutions for the assessment Simple probability - packs of cards

1) a) P(a six of Diamonds) = $\frac{1}{52}$

b) P(a Club) = $\frac{1}{4}$

c) P(a six) = $\frac{1}{13}$

2) a) P(an Ace of Diamonds) = $\frac{1}{52}$

b) P(a Heart) = $\frac{1}{4}$

c) P(an Ace) = $\frac{1}{13}$

3) a) P(a Jack of Hearts) = $\frac{1}{52}$

b) P(a Heart or Club) = $\frac{1}{2}$

c) P(a number smaller than 8) = $\frac{7}{13}$

4) a) P(an Ace of Spades) = $\frac{1}{52}$

b) P(a Club or Spade) = $\frac{1}{2}$

c) P(a number smaller than 9) = $\frac{8}{13}$

5) a) P(a spade or two) = $\frac{4}{13}$

b) P(a jack or club) = $\frac{4}{13}$

c) P(a three or red card) = $\frac{7}{13}$

6) a) P(a diamond or eight) = $\frac{4}{13}$

b) P(a king or heart) = $\frac{4}{13}$

c) P(a five or black card) = $\frac{7}{13}$