

Name: _____

YEAR 11 MINI-ASSESSMENT 9

FOUNDATION – PROBABILITY

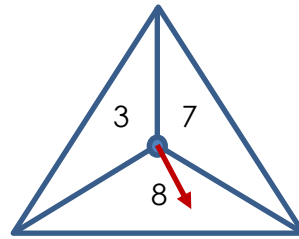
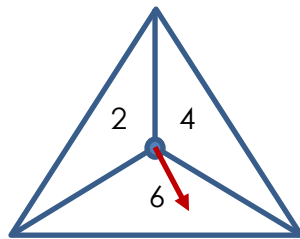
1. (i) The letters from the word MATHEMATICS are placed in a hat. One letter is selected at random from the hat. What is the probability that the letter is...
- (a) an M
 - (b) a vowel
 - (c) not an A
- (ii) The probability Sheffield United win their next game is $\frac{8}{9}$. What is the probability they don't win their next game?

(3)

(1)

[4 marks]

2. Jill spins these two spinners. She then adds together the scores from each spinner.



- (a) Complete the table showing all the possible outcomes...

		Spinner 1		
		2	4	6
Spinner 2	3	5		
	7			
	8		12	

(2)

What is the probability that she gets...

- (b) a number bigger than 12

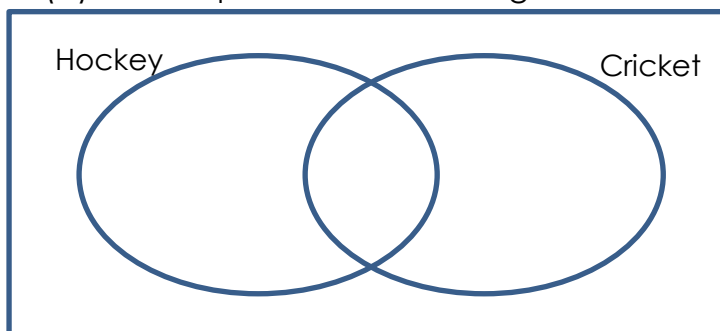
- (c) a prime number

(2)

[4 marks]

3. At a sports club, 15 members play hockey, 17 play cricket and 8 play both. 10 players play neither.

- (a) Complete the Venn diagram



(4)

- (b) What is the probability that a member plays hockey but not cricket?

(1)

[5 marks]