

1. Use Pascal's Triangle (clearly show your work) to find the probability of getting

a) exactly 3 heads when flipping a coin 5 times

b) exactly 2 heads when flipping a coin 7 times

c) more than 2 heads when flipping a coin 7 times

d) more than 4 heads when flipping a coin 8 times

e) at least 1 head when flipping a coin 8 times

2. List all the factors of each number:

a) 25

b) 24

c) 56

d) 47

3. Write the prime factorization of each number:

a) 72

b) 56

c) 25

d) 51

e) 300

f) 360

g) 510

h) 4800