

1a) Yes

b) 16

c) HHTT TTHH HTHT THTH HTTH THHT

d) $6/16$

e) 32

f) HHHHTT HHTHT HTTTH HTHHT HTHTH HTTHH THHHT THHTH THTHH TTHHH

g) $10/32$

2a) 2

2b) 20

2c)

$P(2) = 1/100$

$P(3) = 2/100$

$P(4) = 3/100$

$P(5) = 4/100$

$P(6) = 5/100$

$P(7) = 6/100$

$P(8) = 7/100$

$P(9) = 8/100$

$P(10) = 9/100$

$P(11) = 10/100$

$P(12) = 9/100$

$P(13) = 8/100$

$P(14) = 7/100$

$P(15) = 6/100$

$P(16) = 5/100$

$P(17) = 4/100$

$P(18) = 3/100$

$P(19) = 2/100$

$P(20) = 1/100$

2d) yes

3a) $1/216$

b) $6/216$

c) $3/216$

d) $25/216$