



Math worksheet on 'Probability Counting - Duplicate (in 5 Letters, 1 Repeat - to Equation (Level 1)'. Part broader unit on 'Probability and Statistics - Probability Factorials Practice'

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app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1 How many ways can these letter tiles be ordered to spell 'BOBBY'? Show as a multiplication.

B	O	B
B	Y	

a	$4 \cdot 3 \cdot 2$	b	$3 \cdot 2 \cdot 2$
c	$5 \cdot 4 \cdot 3 \cdot 2$	d	$3 \cdot 2$
e	$\frac{1}{3 \cdot 2 \cdot 1}$	f	$\frac{2}{3 \cdot 2 \cdot 1}$

2 How many ways can these letter tiles be ordered to spell 'TOTEM'? Show as a multiplication.

T	O	T
E	M	

a	$3 \cdot 2$	b	$2 \cdot 2$
c	$\frac{2}{2 \cdot 1}$	d	$4 \cdot 3 \cdot 2$
e	$\frac{1}{2 \cdot 1}$	f	2

3 How many ways can these letter tiles be ordered to spell 'FOOLS'? Show as a multiplication.

F	O	O
L	S	

a	$2 \cdot 3 \cdot 2$	b	$\frac{1}{2 \cdot 1}$
c	$\frac{2}{2 \cdot 1}$	d	$4 \cdot 3 \cdot 2$
e	$2 \cdot 2$	f	2

4 How many ways can these letter tiles be ordered to spell 'SASSY'? Show as a multiplication.

S	A	S
S	Y	

a	$4 \cdot 3 \cdot 2$	b	$3 \cdot 2$
c	$3 \cdot 2 \cdot 2$	d	$3 \cdot 2 \cdot 3 \cdot 2$
e	$\frac{1}{3 \cdot 2 \cdot 1}$	f	$\frac{2}{3 \cdot 2 \cdot 1}$

5 How many ways can these letter tiles be ordered to spell 'MUMMY'? Show as a multiplication.

M	U	M
M	Y	

a	$\frac{1}{3 \cdot 2 \cdot 1}$	b	$4 \cdot 3 \cdot 2$
c	$3 \cdot 2$	d	$\frac{2}{3 \cdot 2 \cdot 1}$
e	$5 \cdot 4 \cdot 3 \cdot 2$	f	$3 \cdot 2 \cdot 3 \cdot 2$

6 How many ways can these letter tiles be ordered to spell 'SPILL'? Show as a multiplication.

S	P	I
L	L	

a	2	b	$3 \cdot 2$
c	$\frac{1}{2 \cdot 1}$	d	$4 \cdot 3 \cdot 2$
e	$\frac{2}{2 \cdot 1}$		

7 How many ways can these letter tiles be ordered to spell 'GRASS'? Show as a multiplication.

G	R	A
S	S	

a	$\frac{2}{2 \cdot 1}$	b	2
c	$2 \cdot 2$	d	$3 \cdot 2$
e	$\frac{1}{2 \cdot 1}$	f	$2 \cdot 3 \cdot 2$