

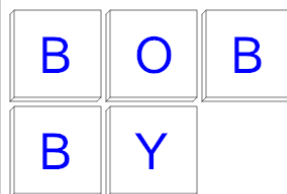


Math worksheet on 'Probability Counting - Duplicat Orders in 5 Letters, 1 Repeat - to Factorial Equatio (Level 1)'. Part of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

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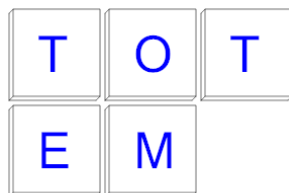
1



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

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

2



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

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

3



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

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

4



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

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

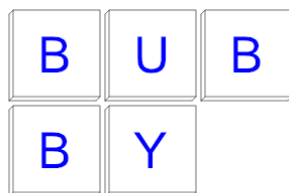
5



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

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

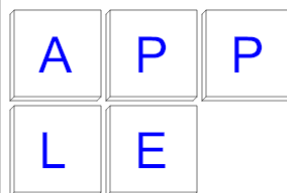
6



How many ways can these letter tiles be ordered to spell 'BUBBY'? Show as a factorial.

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

7



How many ways can these letter tiles be ordered to spell 'APPLE'? Show as a factorial.

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