Mobius Math Club

1

F

Т

Е

Ε

а

С

е

Name:

 $2! \cdot 2!$

3!

1

 $2! \cdot 1!$

How many ways can these letter tiles be ordered to spell

'FEET'? Show as a factorial.

b

d

f

2!

 $2! \cdot 1!$

2!

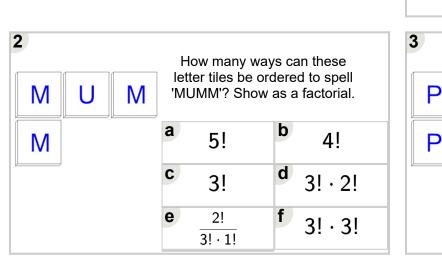
 $2! \cdot 3!$

mobiu

Math worksheet on 'Probability Counting - Duplicat Orders in 4 Letters, 1 Repeat - to Factorial Equatio (Level 1)'. Part of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

Learn online:

app.mobius.academy/math/units/probability and statistics probability with factorials



How many ways can these

letter tiles be ordered to spell

'TENT'? Show as a factorial.

b

d

f

 $2! \cdot 2!$

1

 $2! \cdot 1!$

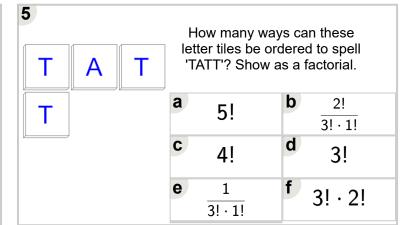
4!

7

н

Н

| RE | How many ways can these letter tiles be ordered to spell 'PREP'? Show as a factorial. | | | | | |
|----|---|----|----------------------------------|--|--|--|
|) | а | 3! | b 2! · 2! | | | |
| | C | 2! | d $\frac{1}{2! \cdot 1!}$ | | | |
| | е | 4! | f 2! · 3! | | | |



| 6 S | A S How many ways can these letter tiles be ordered to spell 'SASS'? Show as a factorial. | | | | | |
|--------|---|---|------------|--------|---|--------------------------|
| S | ~ | v | а | 5! | b | $\frac{2!}{3! \cdot 1!}$ |
| | | | С | 4! | d | $\frac{1}{3!\cdot 1!}$ |
| | | | e 3 | ! • 2! | f | 3! |

Ν

а

С

е

3!

 $2! \cdot 3!$

2!

Ε

| U | S | How many ways can these letter tiles be ordered to spell 'HUSH'? Show as a factorial. | | | | | |
|---|---|---|--------------------------|---|----|--|--|
| | | а | 2! · 2! | b | 3! | | |
| | | C | $\frac{2!}{2! \cdot 1!}$ | d | 4! | | |
| | | е | $\frac{1}{2!\cdot 1!}$ | f | 2! | | |

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4

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