

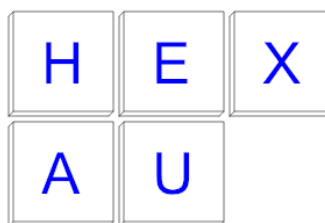


Math worksheet on 'Probability Counting - Ways to O
5 Letters, 0 Repeats - to Equation (Level 1)'. Part of
broader unit on 'Probability and Statistics - Probabil
with Factorials Intro'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

b

$$3 \cdot 2$$

c

$$5 \cdot 4 \cdot 3 \cdot 2$$

d

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

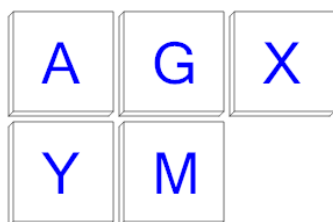
e

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$$

f

$$7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

2 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$5 \cdot 4 \cdot 3 \cdot 2$$

b

$$\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2}$$

c

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

d

$$4 \cdot 3 \cdot 2$$

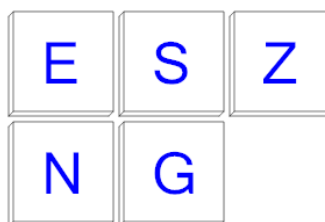
e

$$\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

f

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{1 \cdot 3 \cdot 2}$$

3 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

b

$$5 \cdot 4 \cdot 3 \cdot 2$$

c

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

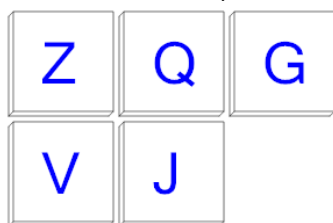
d

$$6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

e

$$7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

4 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{1 \cdot 2}$$

b

$$5 \cdot 4 \cdot 3 \cdot 2$$

c

$$7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

d

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

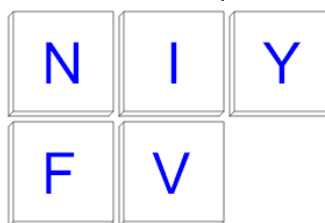
e

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$$

f

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

5 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

b

$$3 \cdot 2$$

c

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

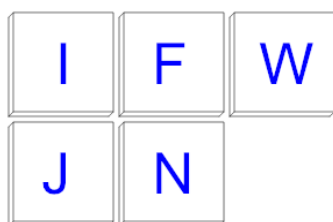
d

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$$

e

$$5 \cdot 4 \cdot 3 \cdot 2$$

6 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$\frac{7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

b

$$3 \cdot 2$$

c

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

d

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$$

e

$$5 \cdot 4 \cdot 3 \cdot 2$$

f

$$\frac{7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2}$$

7 How many distinct ways can these letter tiles be ordered?
Show as a multiplication.



a

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{1 \cdot 3 \cdot 2}$$

b

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}$$

c

$$7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

d

$$\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$$

e

$$6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$$

f

$$5 \cdot 4 \cdot 3 \cdot 2$$