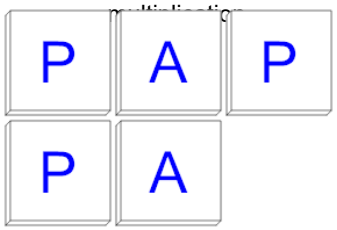
Math worksheet on *'Probability Counting - Duplicate 5 Letters, 2 Repeat - to Equation (Level 1)'*. Part of a unit on *'Probability and Statistics - Binomial Notatic*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_binomial

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

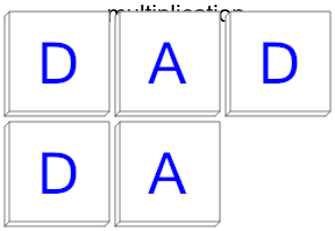


a $\frac{2}{3 \cdot 2 \cdot 2}$ **b** $3 \cdot 2 \cdot 4 \cdot 3 \cdot 2$

c $5 \cdot 4 \cdot 3 \cdot 2 \cdot 2$ **d** $\frac{1}{3 \cdot 2 \cdot 2}$

e $3 \cdot 2 \cdot 2$ **f** $4 \cdot 3 \cdot 2 \cdot 2$

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

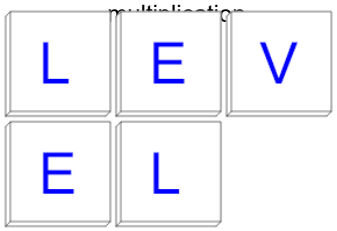


a $\frac{2}{2 \cdot 3 \cdot 2}$ **b** $2 \cdot 4 \cdot 3 \cdot 2$

c $2 \cdot 3 \cdot 2$ **d** $4 \cdot 3 \cdot 2 \cdot 3 \cdot 2$

e $2 \cdot 5 \cdot 4 \cdot 3 \cdot 2$ **f** $3 \cdot 2 \cdot 3 \cdot 2$

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

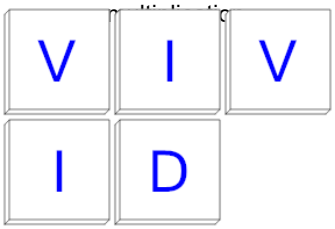


a $3 \cdot 2 \cdot 2$ **b** $2 \cdot 4 \cdot 3 \cdot 2$

c $\frac{2}{2 \cdot 2}$ **d** $2 \cdot 3 \cdot 2$

e $2 \cdot 2$ **f** $4 \cdot 3 \cdot 2 \cdot 2$

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

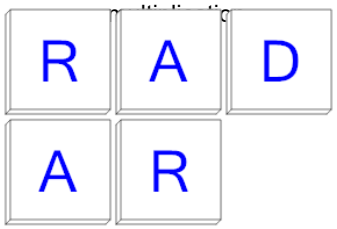


a $3 \cdot 2 \cdot 2$ **b** $2 \cdot 2$

c $\frac{2}{2 \cdot 2}$ **d** $\frac{1}{2 \cdot 2}$

e $4 \cdot 3 \cdot 2 \cdot 2$ **f** $2 \cdot 4 \cdot 3 \cdot 2$

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

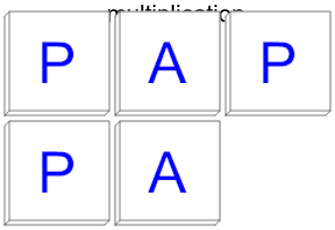


a $3 \cdot 2 \cdot 2$ **b** $\frac{2}{2 \cdot 2}$

c $2 \cdot 2$ **d** $2 \cdot 4 \cdot 3 \cdot 2$

e $2 \cdot 3 \cdot 2$ **f** $\frac{1}{2 \cdot 2}$

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

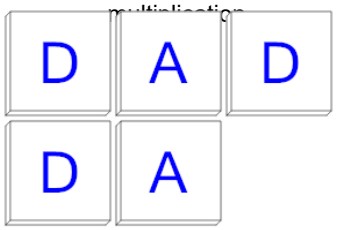


a $2 \cdot 3 \cdot 2$ **b** $\frac{2}{2 \cdot 3 \cdot 2}$

c $4 \cdot 3 \cdot 2 \cdot 3 \cdot 2$ **d** $3 \cdot 2 \cdot 3 \cdot 2$

e $\frac{1}{2 \cdot 3 \cdot 2}$ **f** $2 \cdot 5 \cdot 4 \cdot 3 \cdot 2$

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



a $3 \cdot 2 \cdot 2$ **b** $\frac{2}{3 \cdot 2 \cdot 2}$

c $5 \cdot 4 \cdot 3 \cdot 2 \cdot 2$ **d** $\frac{1}{3 \cdot 2 \cdot 2}$

e $3 \cdot 2 \cdot 3 \cdot 2$ **f** $3 \cdot 2 \cdot 4 \cdot 3 \cdot 2$