Math worksheet on *'Probability Counting - Ways to O 3 Cards, 1 Repeat - to Equation (Level 1)'*. Part of broader unit on *'Probability and Statistics - Probabil with Factorials Intro'*

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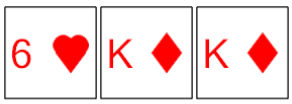
1



How many distinct ways can these cards be ordered? Show as a multiplication.

a $\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$ **b** $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

2

How many distinct ways can these cards be ordered? Show as a multiplication.

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

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

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

3

How many distinct ways can these cards be ordered? Show as a multiplication.

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

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

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

4

How many distinct ways can these cards be ordered? Show as a multiplication.

a $\frac{3 \cdot 2}{3 \cdot 2}$ **b** $\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$

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

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

5

How many distinct ways can these cards be ordered? Show as a multiplication.

a $\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$ **b** $\frac{3 \cdot 2}{2 \cdot 3 \cdot 2}$

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

6

How many distinct ways can these cards be ordered? Show as a multiplication.

a $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$ **b** $\frac{4 \cdot 3 \cdot 2}{2}$

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

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

7

How many distinct ways can these cards be ordered? Show as a multiplication.

a $\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$ **b** $\frac{3 \cdot 2}{3 \cdot 2}$

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