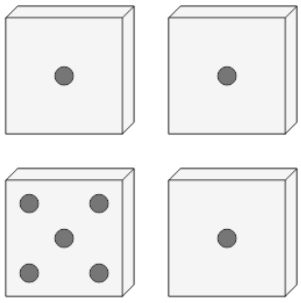
Math worksheet on *'Probability - Dice (4), Not All Specific, To Fraction (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*

Learn online:

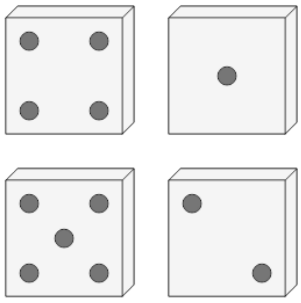
app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

1 What is the chance of NOT rolling all 5's on these dice?



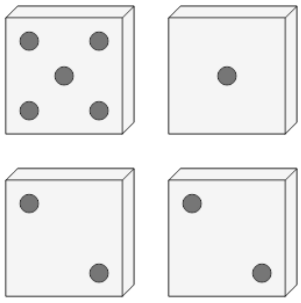
a	b	c
$\frac{1,295}{1,296}$	$\frac{845}{238}$	$\frac{369}{622}$
d	**e**	**f**
$\frac{2,275}{504}$	$\frac{1,852}{1,304}$	$\frac{230}{1,218}$

2 What is the chance of NOT rolling all 4's on these dice?



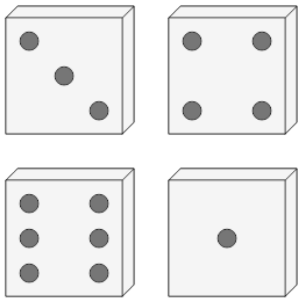
a	b	c
$\frac{310}{809}$	$\frac{1,836}{2,434}$	$\frac{1,595}{635}$
d	**e**	**f**
$\frac{1,722}{309}$	$\frac{1,295}{1,296}$	$\frac{2,160}{669}$

3 What is the chance of NOT rolling all 4's on these dice?



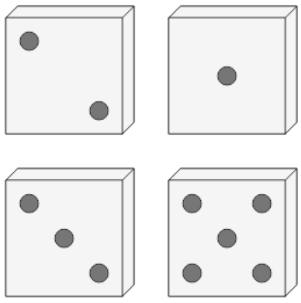
a	b	c
$\frac{1,859}{1,893}$	$\frac{27}{304}$	$\frac{372}{451}$
d	**e**	**f**
$\frac{2,365}{1,878}$	$\frac{1,295}{1,296}$	$\frac{1,334}{1,378}$

4 What is the chance of NOT rolling all 6's on these dice?



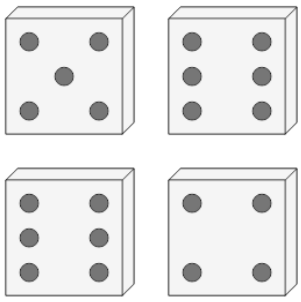
a	b	c
$\frac{970}{600}$	$\frac{1,514}{2,220}$	$\frac{1,295}{1,296}$
d	**e**	**f**
$\frac{1,492}{681}$	$\frac{2,196}{2,476}$	$\frac{1,245}{2,256}$

5 What is the chance of NOT rolling all 5's on these dice?



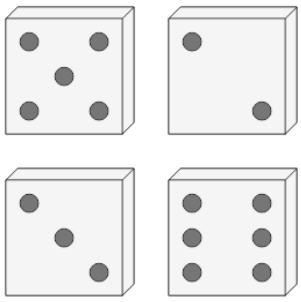
a	b	c
$\frac{2,180}{1,993}$	$\frac{1,295}{1,296}$	$\frac{1,704}{1,429}$
d	**e**	**f**
$\frac{922}{63}$	$\frac{903}{1,125}$	$\frac{1,953}{2,151}$

6 What is the chance of NOT rolling all 2's on these dice?



a	b	c
$\frac{95}{2,444}$	$\frac{1,441}{977}$	$\frac{163}{764}$
d	**e**	**f**
$\frac{2,102}{191}$	$\frac{2,563}{272}$	$\frac{1,295}{1,296}$

7 What is the chance of NOT rolling all 1's on these dice?



a	b	c
$\frac{994}{560}$	$\frac{264}{1,989}$	$\frac{2,198}{1,231}$
d	**e**	**f**
$\frac{1,721}{2,435}$	$\frac{1,295}{1,296}$	$\frac{2,105}{588}$