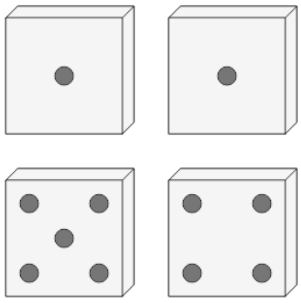
Math worksheet on *'Probability - Dice (4), Not All Specific, To Fraction (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*

Learn online:

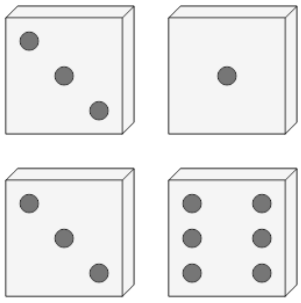
app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

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



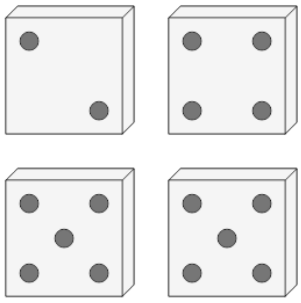
a	b	c
$\frac{1,316}{1,484}$	$\frac{1,089}{419}$	$\frac{512}{2,223}$
d	**e**	**f**
$\frac{1,453}{1,058}$	$\frac{1,220}{1,638}$	$\frac{1,295}{1,296}$

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



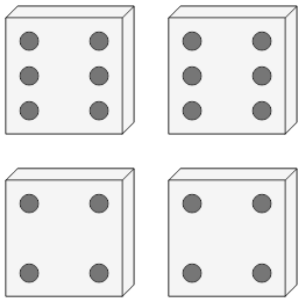
a	b	c
$\frac{494}{231}$	$\frac{2,501}{2,392}$	$\frac{1,295}{1,296}$
d	**e**	**f**
$\frac{1,046}{1,252}$	$\frac{1,921}{2,513}$	$\frac{2,566}{1,213}$

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



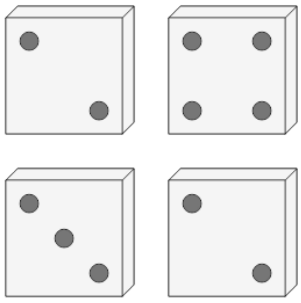
a	b	c
$\frac{1,105}{1,216}$	$\frac{1,295}{1,296}$	$\frac{1,795}{2,250}$
d	**e**	**f**
$\frac{2,021}{616}$	$\frac{1,371}{1,664}$	$\frac{629}{1,359}$

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



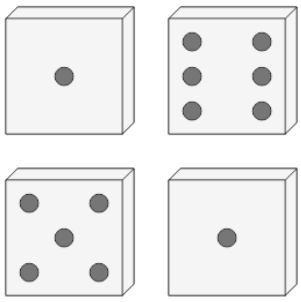
a	b	c
$\frac{1,396}{2,052}$	$\frac{1,808}{358}$	$\frac{1,204}{964}$
d	**e**	**f**
$\frac{1,958}{1,951}$	$\frac{196}{2,302}$	$\frac{1,295}{1,296}$

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



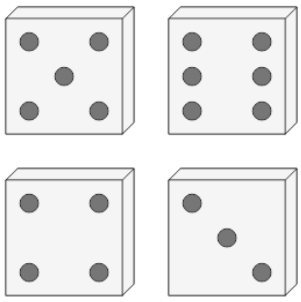
a	b	c
$\frac{441}{1,493}$	$\frac{1,084}{2,347}$	$\frac{159}{265}$
d	**e**	**f**
$\frac{2,099}{2,391}$	$\frac{1,295}{1,296}$	$\frac{2,418}{35}$

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



a	b	c
$\frac{1,295}{1,296}$	$\frac{881}{596}$	$\frac{1,903}{138}$
d	**e**	**f**
$\frac{1,650}{1,676}$	$\frac{2,177}{2,301}$	$\frac{741}{1,206}$

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



a	b	c
$\frac{1,295}{1,296}$	$\frac{1,379}{1,277}$	$\frac{428}{2,323}$
d	**e**	**f**
$\frac{2,179}{1,286}$	$\frac{2,099}{852}$	$\frac{320}{1,268}$