

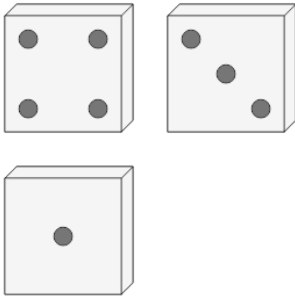


Math worksheet on 'Probability - Dice (3), All Specific, To Fraction (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

Learn online:

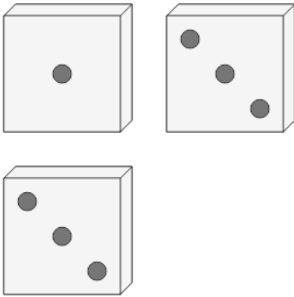
[app.mobius.academy/math/units/probability\\_counting\\_multiple\\_event\\_practice/](http://app.mobius.academy/math/units/probability_counting_multiple_event_practice/)

**1** What is the chance of rolling 1's on all these dice?



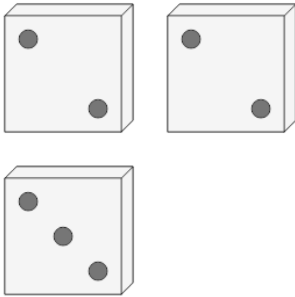
a	b	c
3	2	1
$\frac{276}{369}$	$\frac{10}{216}$	$\frac{368}{123}$
d	e	f
1	1	3
$\frac{369}{216}$	$\frac{216}{123}$	$\frac{123}{369}$

**2** What is the chance of rolling 1's on all these dice?



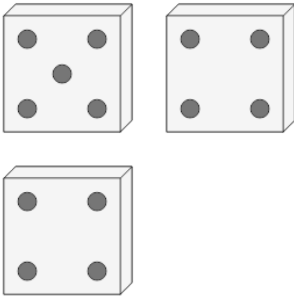
a	b	c
1	2	1
$\frac{216}{389}$	$\frac{250}{282}$	$\frac{387}{83}$
d	e	f
1	1	2
$\frac{389}{282}$	$\frac{282}{83}$	$\frac{83}{389}$

**3** What is the chance of rolling 5's on all these dice?



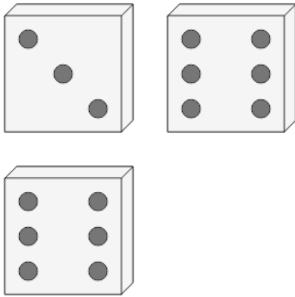
a	b	c
1	3	2
$\frac{368}{216}$	$\frac{254}{391}$	$\frac{301}{188}$
d	e	f
1	1	3
$\frac{216}{391}$	$\frac{391}{188}$	$\frac{188}{301}$

**4** What is the chance of rolling 5's on all these dice?



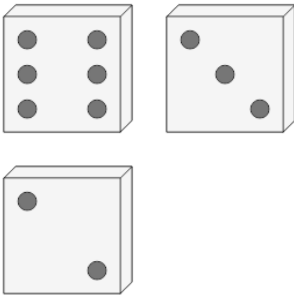
a	b	c
3	1	1
$\frac{274}{38}$	$\frac{54}{363}$	$\frac{216}{243}$
d	e	f
2	1	3
$\frac{38}{243}$	$\frac{363}{243}$	$\frac{243}{216}$

**5** What is the chance of rolling 1's on all these dice?



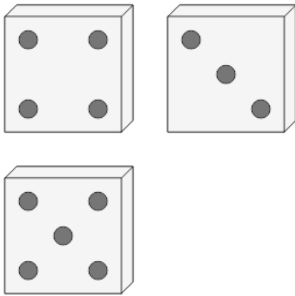
a	b	c
2	3	3
$\frac{6}{238}$	$\frac{201}{216}$	$\frac{41}{377}$
d	e	f
1	1	1
$\frac{238}{216}$	$\frac{216}{377}$	$\frac{377}{41}$

**6** What is the chance of rolling 4's on all these dice?



a	b	c
2	1	1
$\frac{243}{247}$	$\frac{104}{36}$	$\frac{216}{326}$
d	e	f
1	1	3
$\frac{247}{36}$	$\frac{36}{326}$	$\frac{326}{216}$

**7** What is the chance of rolling 3's on all these dice?



a	b	c
3	2	1
$\frac{374}{216}$	$\frac{385}{309}$	$\frac{67}{166}$
d	e	f
1	1	1
$\frac{216}{309}$	$\frac{309}{166}$	$\frac{166}{67}$