

27.2 19 : 8

- 28.1 – From top to bottom: 11/51, 40/51, 12/51, 39/51
– On first step from top to bottom: 0.7, 0.3
On second step from top to bottom (including the ones already given): 0.6, 0.4, 0.8, 0.2
(a) 0.28
(b) 0.06

28.2 Ask me if you have trouble with tree diagram.
 $P(\text{first spin is an even number}) = 3/4$
 $P(\text{the sum of the two spins is 9}) = 3/8$
 $P(\text{first spin even or sum=9}) = 3/4 + 3/8 - 1/4 = 7/8$

- 28.3 (a) $P(\text{red cover and fiction}) = 0.08$
(b) $P(\text{red cover or fiction}) = 0.2 + 0.4 - 0.08 = 0.52$

- 28.4 (a) $190/400 = 19/40$
(b) $391/400$
(c) $190/388 = 95/194$
(d) $190/193$

- 29.2 – D. I and III only
– (a) Voluntary. Sample may be biased, because people who have strong opinions one way or another is more likely to respond.
(b) Stratified. Not biased, because we are doing a simple random sample within each grade level.

- 29.4 (a) measurement
(b) categorical
(c) categorical
(d) amount of money spent on shopping trip.

- 30.1 (a) 75.6
(b) 250 students

30.2 Ask me if you have trouble making stem-and-leaf plot

30.3 Median: 30.5, IQR= 15

30.4 63.3 lbs