

Answer Key

Chapter Test 10

1. 10 2. B 3. 60 4. 126,000 5. A 6. B

7. 22,308 8. Yes. $\frac{3}{4} > \frac{3}{7}$ 9. D 10. 163

11. $32h^{10} - 80h^8g + 80h^6g^2 + 40h^4g^3 + 10h^2g^4 - g^5$

12. C 13. $\frac{3}{20}$ 14. $\frac{7}{20}$ 15a. 720

15b. $\frac{29}{90} \approx 0.322$ 16. $\frac{12}{37} \approx 0.324$ 17. C

18. $\frac{5}{8}$ 19. A 20a. 0.5 20b. 0.7

21a. $\frac{1}{3}$ 21b. $\frac{8}{27}$

22a.

$P(k=0)$	$P(k=1)$	$P(k=2)$	$P(k=3)$	$P(k=4)$
0.1785	0.3845	0.3105	0.1115	0.0150

22b. 1 out of 4 students participates in team sports

22c. About 13%