

Unit 27.1

1. a) 2 b) 6 c) 5 2. 5; 2; 4; 6; 8; 10; 8; 16; 24
 3. 3; 5; 6; 4; 8; 12; 9; 12; 15; 12; 24; 36 5. b
 6. 3; 5; 6; 4; 8; 12; 9; 12; 15; 8; 16; 24; 10; 15; 25; 30; 45; 60; 75; 90
 7. 7; 14; 21; 28; 35
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Unit 27.2

1. 6 ways combination 2. 6 ways combination 3. 9 ways combination
 4. 12 ways combination 5. 10 ways 6. 12 ways
 7. 16 ways 8. 30 ways 9. 12 tests
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Unit 27.3

5. a 7. d
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Unit 27.4

1. a) $\frac{1}{2}$ b) $\frac{1}{6}$ c) $\frac{2}{2}=1$ d) $\frac{1}{5}$
 2. $\frac{4}{6}$ 3. $\frac{1}{6}$ 4. $\frac{4}{6}$ 5. $\frac{1}{7}$
 6. $\frac{1}{7}$ 7. $\frac{2}{6}$ 8. $\frac{4}{6}$ 9. a
 10. $\frac{2}{7}$ 11. $\frac{3}{7}$ 12. a) $\frac{3}{12}$ b) $\frac{14}{26}$
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Unit 27.5

1. a) equally likely b) impossible c) unlikely
d) equally likely e) unlikely
 2. equally likely ($\frac{1}{2}$) 3. yes 4. no; x is not vowel
 5. yes; $\frac{1}{2}$ 6. $\frac{3}{14}$; unlikely 7. $\frac{2}{12}$
 8. a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{21}{26}$ d) iv
 9. c
 10. $\frac{1}{39}$
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Unit 27.6

1. dog
 4. a) 25; 30; 35; 40; 45 b) 1234321; 123454321 d) 22
 6. green color files
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Unit 27.7

1. b
 2. 30 different combination
 3. possible out combination
 7. c
 8. $\frac{1}{2}$
 9. $\frac{14}{36} = \frac{7}{18}$
 10. d
 11. $\frac{12}{18}$
 15. a) $\frac{1}{3}, \frac{1}{3}, \frac{1}{2}$ b) 212, 250, 300 c) 2.5, 2.05, 4.5
 16. yes
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