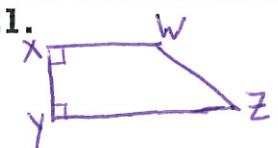
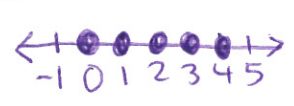



1. \$75.67	2. 720 cards	3. 540 pages
★ 4. 3 tellers	★ 5. $x=8$	★ 6. $x=20$
★ 7. a. 6 square units b. 12 units	★ 8. a. 80° b. 10cm	9. a. $-6x+8$ b. $7(x-3)$
★ 10. $\frac{1}{2}$ (same probability)	★ 11. 6	★ 12. $-12xy$
13. $2\frac{1}{6}$	14. 0	15. -32
16. 10	17. $4\frac{1}{6}$	18. 400
★ 19. a. 0.04; 4% b. $80 \times 0.04 = 3.2$	20. 12.5%, 0.15, $\frac{1}{6}$ ★	21. 
22. $x=2, -2$	23. $x=13$ ★	24. $x=10$
★ 25. $x=5, -5$	26. 	27. 77°F
★ 28. 7	★ 29. a. $\{A1, A2, A3, B1, B2, B3\}$ b. $\frac{1}{3}$	30. a. scalene b. isosceles c. equilateral

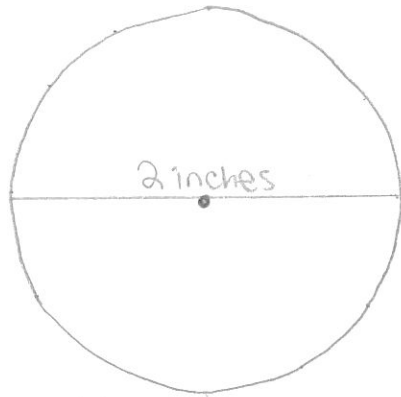
1. 1080 children	★ 2. 30 striped cats	★ 3. 8 lizards								
★ 4. 112 times	★ 5. <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>side length</th> <th>Perimeter</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>12</td> </tr> <tr> <td>4</td> <td>16</td> </tr> <tr> <td>5</td> <td>20</td> </tr> </tbody> </table> (sample answer)	side length	Perimeter	3	12	4	16	5	20	6. a. 96 inches b. 8 feet
side length	Perimeter									
3	12									
4	16									
5	20									
★ 7. a. 60° b. 30° c. side ED	8. $x=9$	9. $x=1$								
10. A = 30 square units P = 30 units	11. a. 218 ft^2 b. 58 ft.	★ 12. a. $-3x+3y-15$ b. $2(2x-1)$								
13. a. $\frac{99}{100}$, 0.99 b. $\frac{1}{2}$, 0.5	★ 14. $-5x$	15. $\frac{1}{x^2}$								
16. 110	★ 17. 1	18. $\frac{3}{5}$								
19. $3\frac{1}{2}$	20. $2x^2+4x+3$	21. $4x+y$								
22. $x=1, -1$	23. $x=2, -2$	24. 9								
25. 103	26. A. real numbers and C. rational numbers	27. $2^3 \cdot 5^3 \cdot 7 \cdot 11$								
28. 90	★ 29. a. $\{AB, AC, AD, BC, BD, CD\}$ b. $\frac{1}{2}$ or 0.5	30. a. 35° b. 55°								

1. 5 tasks	2. 90 bottles	3. a. 3780 mL b. A liter is a little more than a quart because 4 qts = 1 gallon but 3.78 L = 1 gallon
4. 140 miles	5. $x = 7.11$	6. $x = \frac{1}{6}$
7. $x = 1\frac{3}{7}$	8. $x = 24.2$	9. $x = 10$
10. a. 24 square units b. 24 units	11. a. 150 ft ² b. 50 ft.	12. a. $-8x^2 + 36x$ b. $3(x+1)$
13. 0.32 ; $\frac{8}{25}$	14. 26	15. 16
16. 6m	17. $\frac{1}{15}$	18. $\frac{1}{3}$
19. x^2y^3	20. $xyz - x^2yz$	21. $-3gh + 7g - 7h$
22. $x = 24$ $y = 22$	23. $x = 10, -10$	24. $x = 6, -6$
25. D. $\frac{12}{17}$	26. $n = 2^{12}$ $n = 4096$	27. 
28. a. $\frac{1}{3}$ b. $\frac{2}{3}$	29. 31.4	30. a. $\angle BOC$ (or $\angle COB$) b. $\angle AOB$ (or $\angle BOA$) c. $\angle AOC$ (or $\angle COA$) d. $\angle AOB$ and $\angle BOC$ (or $\angle BOA$) (or $\angle COB$)

1. 13 miles	2. $5\frac{1}{2}$ hours	3. 45 times
★ 4. $\frac{2}{3}$, 67%	★ 5. 24 buffalo nickels	★ 6. -30
★ 7. -6	★ 8. 0	★ 9. $6x$
★ 10. $3\frac{1}{8}$	11. $\frac{1}{10}$	12. 8.2
13. 13	★ 14. x^3	★ 15. 3,000,000
16. 3 units (-9,-2), (-2,-2) or (-9,-8), (-2,-8)	17. a. 25in^2 b. 6in^2 c. 19in^2	★ 18. a. $\frac{1}{4}$, 0.25 b. the fraction is easiest because 24 is evenly divisible by 4.
★ 19. a. Z b. Y	20. 5	★ 21. {H1, H2, H3, H4, H5, H6, } {T1, T2, T3, T4, T5, T6 } $\frac{1}{12}$
22. $3(2 \cdot \frac{1}{3})$ Given $3(\frac{1}{3} \cdot 2)$ Commutative Prop. of mult. $(3 \cdot \frac{1}{3}) \cdot 2$ Associative Prop. of mult. $1 \cdot 2 = 2$ (Multiply)	★ 23. $x = 4, -4$	★ 24. $x = 1.8$
★ 25. $x = 3$	26. a. 250,000 miles b. 2.5×10^5 miles	27. a. 30° b. 60°
★ 28. 6.28in (circle drawn on back)	★ 29. 13 feet	★ 30. 16in^2

#28

diameter = 2 inches



1. 14 hours, 45 minutes	2. 96 evil characters	3. 212 pages
★ 4. $9\pi \text{ m}^2$, $6\pi \text{ m}$	★ 5. a. 314 m^2 b. 62.8 m	★ 6. (see graph on back)
★ 7. a. 7 b. 12.5 c. 2	★ 8. A, D, C, B $\frac{2}{5}$, $0.4\bar{4}$, 0.8 , $0.8\bar{8}$	★ 9. $x = 20$
★ 10. $x = 0.93$	★ 11. a. 30 ft^2 b. 24 ft .	★ 12. a. 24 square units b. 24 units
13. $x^2 - 4x$	14. $9xy$	15. 30
16. $\frac{1}{8}$	17. 505	18. $-\frac{5}{8}$
19. 1	20. 0	21. -3
22. $x = 5, -5$	23. $x = 18, -18$	★ 24. A. rectangle B. parallelogram D. quadrilateral
★ 25. D. trapezoid	26. 493,000,000	★ 27. a. 135° b. $2\pi \text{ cm}^2$
28. D. 54 ft.	29. 22	30. a. $\{H1, H2, H3, H4, T1, T2, T3, T4\}$ b. $P(\text{T and Odd}) = \frac{1}{4}$

#6

