

Week 1

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.9 0.99 0.81 0.081 10 Answers will vary; e.g. <div style="text-align: center;"> $\begin{array}{c} 12 \\ / \quad \backslash \\ 6 \quad 2 \\ / \quad \backslash \quad / \quad \backslash \\ \boxed{3} \quad \boxed{2} \quad \boxed{2} \end{array}$ </div> μ 4 m² arc 30 1000 conic 4 12 100 52 \$42.75 MCMLXII 1.852 km 32 	<ol style="list-style-type: none"> 0.81 0.98 0.82 0.072 $\frac{90}{8}$ or $\frac{45}{4}$ Answers will vary; e.g. <div style="text-align: center;"> $\begin{array}{c} 12 \\ / \quad \backslash \\ 4 \quad 3 \\ / \quad \backslash \quad / \quad \backslash \\ \boxed{2} \quad \boxed{2} \quad \boxed{3} \end{array}$ </div> ray 1 m² μ 2 1000 It boils 4 20 200 52 \$41.30 MCMLXI 1.852 km (1 nautical mile) 39 	<ol style="list-style-type: none"> 0.7 0.97 0.83 0.063 $\frac{90}{7} = 12\frac{6}{7}$ coplanar Yes 9 m² \$1248 75 58 constant 4 4080 52 10 000 96% MCMLVII 40 1 	<ol style="list-style-type: none"> 0.49 0.96 0.84 0.054 $\frac{90}{6} = \frac{45}{3} = \frac{15}{1} = 15$ 10 Yes Teacher check; e.g. <div style="text-align: center;"> </div> about \$1560 1.5 3, 23 Answers will vary; e.g. income or a lifetime. 6 (or) 150 40 100 15 MCMLXIV $\frac{10}{3} = 3\frac{1}{3}$ 2

Week 2

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.64 0.95 0.85 0.045 18 rays Yes 16 m² 1000 mg 1.75 245 Answers will vary; e.g. the universe. 10, two 3, 29 66 5 76% MCMLXX 2.5 (b) infinite 	<ol style="list-style-type: none"> 0.8 0.94 0.86 0.036 $\frac{9}{4} = 2\frac{1}{4}$ temperature Yes 25 m² 1000 mL 2.25 km 34.5 vertex 10, three 2, 5, 7 78 0.8 75 MCMLVIII 3.4 (b) infinite 	<ol style="list-style-type: none"> 0.1 0.93 0.87 0.027 30 36 km/h \$560 36 m² 8 3.75 km curve 0.005 Answers will vary; e.g. parallelogram, square, rectangle, rhombus. 9 30 10 $\frac{1}{250}$ MCMLIII (b) the diagonal angles 4.3 	<ol style="list-style-type: none"> 0.01 0.92 0.88 0.018 45 \$1 750 000 2 49 m² 18 10 000 m² frequency graph 0.008 quadrilateral 2 5 14.5 500 MCMXLVII (a) all four 5.2

Week 3

Day 1	Day 2	Day 3	Day 4
1. 1.1	1. 1.21	1. 1.2	1. 1.44
2. 0.91	2. 0.901	2. 0.81	2. 0.82
3. 0.89	3. 0.899	3. 0.79	3. 0.78
4. 0.009	4. 0.0009	4. 0.008	4. 0.016
5. 90	5. 900	5. 80	5. 40
6. 4 minutes	6. 3 minutes	6. 21 plants	6. 11 posts
7. \$9.10	7. \$15.60	7. Teacher check	7. \$9.75
8. 64 m ²	8. 81 m ²	8. 100 m ²	8. 121 m ²
9. 21	9. 16	9. 20	9. 15
10. 0.5 kg	10. 21.75 kg	10. $\frac{1}{100}$	10. $\frac{1}{7}$
11. 0.001	11. 0.005	11. 0.005	11. 0.005
12. 2, 3, 7	12. 2 ² , 3, 7	12. 2 ⁴	12. 2 ³
13. oblong	13. kite	13. Answers may vary; e.g. dart, delta, chevron, arrowhead	13. 2
14. scatterplot	14. (negative) parabola	14. (d) $\frac{13}{48}$	14. (d) $\frac{12}{48}$
15. $\frac{1}{1000}$	15. $\frac{1}{1000}$	15. $\frac{1}{100}$	15. $\frac{1}{1000}$
16. -3.5	16. 5.5	16. 168	16. 180
17. 5	17. 4	17. 2 ⁴ or 4 ²	17. 2 ³
18. division	18. subtraction	18. multiplication	18. division
19. 0.0665	19. 0.06	19. 79%	19. 84%
20. 6.1	20. 6.99	20. 34.5	20. 39.4

Week 4

Day 1	Day 2	Day 3	Day 4
1. 0.3	1. 0.09	1. 0.6	1. 0.36
2. 0.83	2. 0.84	2. 0.85	2. 0.86
3. 0.76	3. 0.76	3. 0.75	3. 0.74
4. 0.024	4. 0.032	4. 0.04	4. 0.048
5. $\frac{80}{3} = 26\frac{2}{3}$	5. 20	5. 16	5. $\frac{80}{6} = \frac{40}{3} = 13\frac{1}{3}$
6. 80 cm ³	6. 288 cm ³	6. 128 cm ³	6. 32 cm ³
7. 5	7. five	7. Teacher check	7. \$10.40
8. 144 m ²	8. 169 m ²	8. 225 m ²	8. 10 000 m ²
9. 300	9. 400	9. 16	9. 20
10. $\frac{1}{5}$	10. $\frac{1}{2}$	10. $\frac{1}{12}$	10. $1\frac{2}{6} = 1\frac{1}{3}$
11. -2.5	11. -3.9	11. -5	11. 6
12. 0.004	12. 0.004	12. 0.0046	12. 0.005
13. isosceles trapezoid or trapezium	13. Teacher check; e.g. concave kite, chevron, delta, dart.	13. quadrant	13. annulus
14. three	14. knots	14. 100	14. 2
15. 2017	15. 2018	15. 12	15. six
16. diameter	16. radius	16. 17.6	16. 1608
17. Answers will vary; e.g. school oval	17. 144	17. temperature	17. height
18. breadth	18. Answers will vary; e.g. a hippo	18. Teacher check (Southern Hemisphere: June, July, August)	18. Teacher check (Southern Hemisphere: December, January, February)
19. 30.05	19. 4.26	19. 100%	19. 74%
20. 4	20. 4	20. 42.58	20. 42.2

Week 5

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.5 0.87 0.73 0.056 $\frac{80}{7} = 11\frac{3}{7}$ 17 cm 5 Teacher check; e.g. part of a microscopic human cell. 48 282 0.014 torus (or donut shape) 4 60 subset 252 Teacher check; e.g. 4, 9, 25, 36 Teacher check. (Southern Hemisphere: March, April, May) 3 35.55 	<ol style="list-style-type: none"> 0.25 0.88 0.72 0.064 10 12 cm 13 Teacher check; e.g. length of a mosquito. 28 952 0.005 1.0 10 decibels top vertex 294 Teacher check; e.g. 8, 64, 125 Teacher check. (Southern Hemisphere: September, October, November) 4 39.4 	<ol style="list-style-type: none"> 0.25 0.89 0.71 0.072 $\frac{80}{9} = 8\frac{8}{9}$ 20 cm -24 \$1820 Teacher check; e.g. Amount of carbohydrates in a serving of food. $\frac{27}{8}$ 6 100% 10 25% $\frac{1}{10\,000}$ 336 $\frac{1}{1000}$ knots 87% 5 	<ol style="list-style-type: none"> 0.0625 0.17 -0.01 0.0072 $\frac{8}{9}$ cm 19 cm -22 \$2340 Teacher check; e.g. Amount of water to fill a pool. 183 $\frac{1}{2}$ 1 : 1 20 400% 100 m² 378 $\frac{1}{1000}$ 21 600 (360° × 60 nm) 75% 6

Week 6

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.4 0.71 0.69 0.007 70 20 cm -29 \$2600 Teacher check; e.g. The amount of water in a reservoir. 1 010 200 $y < -3$ 50% 2 300% $\frac{1}{1\,000\,000}$ 126 formula (b) $7\frac{2}{3}\%$ 7 35 	<ol style="list-style-type: none"> 0.16 0.72 0.68 0.014 35 16 cm -25 \$2860 yottalitre 21 204 100 $b \geq 3$ 0.5 200 50% area 84 histogram \$145 8 5 	<ol style="list-style-type: none"> 1 0.73 0.67 0.021 $\frac{70}{3}$ 24 cm -6 about \$2600 mg $\frac{3}{8}$ 130 1 : 2 six concentric cylinder slope number 50% 9 5 	<ol style="list-style-type: none"> 2.25 0.74 0.66 0.028 $\frac{70}{4} = 35\frac{1}{2}$ 27 cm -2 about \$2704 tonnes $\frac{5}{8}$ 1.25 75% 60 semicircle reciprocal gradient node 39 960 km 10 5



Week 7

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{2}$ 0.75 0.65 0.035 $\frac{14}{1}$ 36 cm -2, (-16 + 14) about \$1040 Answers may vary; e.g. micrograms Yes 1 about 565.2 cm³ 20 $12 \times 12 \times 5$ cm scatter plot 196 junction D 8 2500 	<ol style="list-style-type: none"> $\frac{1}{3}$ 0.76 0.64 0.042 $\frac{70}{6} = \frac{35}{3}$ 81 cm -5, (-17 + 12) about \$780 Answers may vary; e.g. micrograms No 1 circumference 200 diameter 10% 147 False B 2 0.25 	<ol style="list-style-type: none"> $\frac{1}{4}$ 0.77 0.63 0.049 10 Teacher check. $-1(-13 + 12)$ about \$520 kilolitre Yes $3^4 = 81$ minor arc 30 40% scatter plot 245 False 47.7 0.0002 1 metre 	<ol style="list-style-type: none"> $\frac{1}{5}$ 0.78 0.62 0.056 $\frac{70}{8} = 8\frac{3}{4}$ \$435 $-13(-15 + 2)$ \$1300 kilograms Yes $3^4 = 81$ major arc 300 900% subitise (quickly count) 294 2000 34.3 0.0003 4

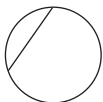
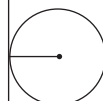
Week 8

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.01 0.79 0.61 0.063 $\frac{70}{9} = 7\frac{7}{9}$ 1 $(-11 - 2) = -13$ about \$3120 megalitres or gigalitres Yes 8 0.004 50% 150% subitise 282 $\frac{1}{1000}$ 13 (One dozen plus one) 2000 No (It is a factor, but not a prime factor.) 	<ol style="list-style-type: none"> $\frac{1}{4}$ 0.81 0.79 0.008 80 1 $(-5 - 2) = -7$ about \$3900 millilitre Yes 16 0.0005 25% 300% 180° 322 No (Platonic solids all have only one face type; e.g. <ul style="list-style-type: none"> <input type="checkbox"/> cube <input type="checkbox"/> dodecahedron <input type="checkbox"/> icosahedron <input type="checkbox"/> tetrahedron <input type="checkbox"/> octahedron 70 years 10 000 25% 	<ol style="list-style-type: none"> $\frac{1}{49}$ 1.8 0.08 0.0006 4000 1 $(-3 - 2) = -5$ about \$3640 kilogram (-4) two variables recognise a number without counting 25% 20 $\frac{1}{100}$ 96 that number 2° half a line 25% 	<ol style="list-style-type: none"> $\frac{1}{3}$ 1.79 0.01 0.0007 5000 1 $(-7 - 2) = -9$ about \$4680 kg/lbs -3 tangent 90° 20% 1000 $\frac{1}{5}$ 72 that number 2³, 7 A circle $x \div 4 = 120$ or $x \div 120 = 4$

Week 9

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{64}$ 0.09 -0.07 0.0008 40 000 1 \$11.70 about \$728 micrometre 0.3 24 Teacher check. $20 \div 5 = 4$ or $20 \div 4 = 5$ $16\frac{2}{3}\%$ 10% none 100 5 MCMXC 91° $\frac{1}{100\,000}$ 	<ol style="list-style-type: none"> $\frac{1}{2}$ 0.1 -0.08 0.0009 4 1 \$13 about \$832 millimetre 1 -7.5 Teacher check. $14 - 9 = 5$ or $14 - 5 = 9$ $14\frac{2}{7}\%$ 20% space, boundary 100 1 MCMXCIX 157° $\frac{1}{10}$ 	<ol style="list-style-type: none"> $\frac{1}{9}$ 0.11 9.8 0.001 500 000 $12a^2$ $\frac{1}{8}$ about \$5200 40 -0.8 $11 \times 24 \times 16$ cm major sector $\frac{1}{8} = 12.5\%$ 40% distort 92 480  MCMX perimeter 	<ol style="list-style-type: none"> $\frac{1}{8}$ 0.22 9.72 0.0004 200 000 1 $\frac{15}{100} = \frac{3}{20}$ about \$10 400 100 1.5 $9 \times 12 \times 18$ cm minor sector $\frac{1}{8} = 11.\bar{1}\%$ 50% $x + 6 = 20$ or $20 - x = 6$ 115 330 Teacher check; e.g.  MCMXCII order




Week 10

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.1 33.79 $1\frac{2}{3}$ 0.0006 500 1 Teacher check about \$7800 50 24 cm 3000 ordered pair 16.67% chord \$17 328 MDCCCXC Teacher check; e.g.  600 20 000 	<ol style="list-style-type: none"> 256 75.00 $2\frac{5}{7}$ 0.0008 400 3 \$6.50 about \$7280 60 11 cm -15 A trundle wheel 10% A cylinder or circular prism \$12.75 410 MCMXCIV Teacher check; e.g.  30 0.14 	<ol style="list-style-type: none"> 0.1 20.05 19.95 1 400 7 Yes about \$6240 80 $\sqrt{20} \approx 4.47$ cm 15 Answers will vary; average is 1 hectare 5% oblique prisms \$21.25 4.5 m 3.7 MCMXCV $15m^4$ 400 	<ol style="list-style-type: none"> -2 200.01 199.99 2 20 000 3 46° about \$41 600 120 13 -4 Answers will vary; average is 0.5 kilometres 12.5% 2 \$17 0.75 L 0.33 MCMXCVII $18m^4$ 300

Week 11

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{4} = 0.25$ 30.05 29.95 1.5 600 4 Teacher check; e.g. about \$4940 240 5050 96% $100^\circ\text{C}/212^\circ\text{F}$ 1.25% $\frac{1}{2}$ 8 am $10\text{ cm} \times 12\text{ cm} \times 18\text{ cm}$ 2000 MCMXCVIII 24 13 	<ol style="list-style-type: none"> -2 20.04 19.96 0.8 500 6 90° about \$15 600 200 500 500 85% thermometer 1% 2 : 1 (diameter is double the radius) 23.00 or 11 pm $(b)^{48/50}$ 3000 MDL $\approx 100\text{ m}$ three 	<ol style="list-style-type: none"> 0.001 0.033 0.027 0.00009 10 9 -15 about \$10 400 120 34 $k \geq 2$ $(3! = 3 \times 2 \times 1 = 6) 3$ factorial = 6 360° $y^2 + 2xy + x^2$ 25% $(b)^{49/50}$ 2500 MCMXCIII 50 000 12 	<ol style="list-style-type: none"> -3 0.004 0 0.000004 1 14 -54 about \$13 000 160 28 $l < 5$ $3! = 6$ right $y^2 + 4y + 4$ 60% $(b)^{48/60}$ 3320 MCMXIX 10 54

Week 12

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.01 0.044 0.036 0.00016 10 5^6 40 about \$20 800 640 81, 243 -0.3  congruent $x^2 + 14x + 49$ 48 cm^2 $(a)^{25/30}$ four MCMXCI 3.34×10^{-2} 24 	<ol style="list-style-type: none"> -4 100.02 99.98 2 5000 5^9 -6 about \$780 1440 16, 32, 64 0.2  A cone or circular pyramid $a^2 - 18a + 81$ 56 cm^2 $(b)^{42/50}$ 10 MCMLXXXI 0.4 36 	<ol style="list-style-type: none"> 0.001 0.066 0.054 0.00036 10 25% \$12.35 $\frac{1}{6}$ 2.4 about \$12 480 3.5 +2 dodecahedron $m^2 - 4m + 4$ order of operations 20 6.32×10^4 MCM 200 41 	<ol style="list-style-type: none"> -5 0.077 0.063 0.00049 10 12.5% \$7.15 $\frac{3}{4}$ 4 about \$2080 -7.5 -11 icosahedron $y^2 - 10y + 25$  2 1.86×10^{-3} MCMV 2000 48

Week 13

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 0.01 0.088 0.072 0.00064 10 0.6 \$7.80 250 000 000 000 80 about \$7280 1 1 octahedron $4a^2 + 4a + 1$ inequality open curve 4.72×10^1 MCMLXXXIV 1000 60 	<ol style="list-style-type: none"> -2 0.099 0.081 0.00081 10 20% \$16.25 2.5×10^1 100 about \$3380 3.5 10 tetrahedron $9y^2 - 6y + 1$ open curve Answers will vary; e.g. displacement/sling on a crane. 6.31×10^{-1} MCMLIV 500 72 	<ol style="list-style-type: none"> $\frac{1}{64}$ 10.5 9.5 5 20 $0.8\bar{3}$ S^4 6.9×10^2 48 about \$4160 0.8 $\frac{10}{2} = 5$ cube $25a^2 - 10a + 1$ Teacher check; e.g. displacement volume 1.92×10^3 58 500 MCMLIX 0.1 84 	<ol style="list-style-type: none"> 5 10.005 9.995 0.05 2000 $0.\bar{3}$ 16 9.9×10^2 24 about \$12 480 0.5 $\frac{10}{3} = 3\frac{1}{3}$ 2 $16a^2 + 8a + 1$ X-intercept 2.009×10^3 121 600 MCMLV 1 96

Week 14

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{25}$ 5.05 4.95 0.25 100 0.8 Teacher check 6.89×10^{-2} 120 1.996×10^3 37 $\frac{10}{4} = 2\frac{1}{2}$ 0 1 : 5 $24 \times 12 \times 16$ cm \$4.95 20 MCMLII 0.4 108 	<ol style="list-style-type: none"> $\frac{1}{9}$ 10.05 9.95 0.5 200 $0.1\bar{6}$ \$4.55 1.2×10^{-3} 60 1.997×10^3 -3 $\frac{10}{5} = 2$ 1 7 : 2000 Y-intercept \$9.95 44 000 MCMLVIII 0.6 109 	<ol style="list-style-type: none"> $\frac{1}{36}$ 3.05 2.95 0.15 60 0.0001 Yes 2 400 000 56 astronomical unit 40% $(a \text{ and } c)(b \text{ and } d)$ 8 manometer 89% 30° Yes 3.34×10^{-2} 0.8 110 	<ol style="list-style-type: none"> $\frac{1}{16}$ 4.05 3.95 0.2 80 0.89 No 297 68 the mean distance from Earth to the sun 20% speed and direction v kilometres per hour (km/h) or miles per hour (mph) A point where a path crosses the x or y axis. 15° Yes 8.674×10^{-2} 1 111



Week 15

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{49}$ 1.55 1.45 0.075 30 0.01 Yes Answers will vary; e.g. the world's population. 72 Teacher check; e.g. $\frac{1}{3} \dots 0.333$ or $\frac{3}{11} \dots 0.27$ 71% $\frac{10}{6} = 1\frac{2}{3}$ no lines of symmetry translation (slide) irrational 60° 1.334×10^{-1} MCMLVI 1.2 Teacher check; e.g. $\sqrt{2}$ or π 	<ol style="list-style-type: none"> $\frac{1}{4}$ 2.05 1.95 0.1 40 0.001 Yes 18° 76 ray linear $\frac{10}{7} = 1\frac{3}{7}$ nine reflection (flip) Teacher check; H drawn smaller 90° 4.00334×10^1 MCMXLIV 1.4 circumference 	<ol style="list-style-type: none"> $\frac{1}{64}$ 2.55 2.45 0.125 50 0.02 $x < 1$ They stay the same 84 dodecagon or duoundecagon -600 $\frac{10}{8} = 1\frac{1}{4}$ three 100 m 40° 10 hours 3.034×10^{-2} MCMXLII 1.6 a Cartesian plane 	<ol style="list-style-type: none"> $\frac{1}{64}$ 4.55 4.45 0.225 90 0.05 $12(6 + 2) = 12(8) = 96$ They stay the same 168 (c) both 0.02 $\frac{10}{9} = 1\frac{1}{9}$ four 2000 m 10° 20 hours 3.34×10^{-4} MCMXXXIX 1.8 4

Week 16

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{81}$ 5.46 5.34 0.324 90 0.625 0.3 Teacher check – any decimal number greater than $\frac{1}{4}$ and less than $\frac{1}{2}$ 52 30° -0.5 64 0 100% 50 m -45 1.001×10^{-2} MCMXXXV 2 +5 	<ol style="list-style-type: none"> 14 60.06 59.94 3.6 1000 0.875 $\frac{4}{9}$ $10\frac{2}{3}$ 52 120° 1 1 two 91% 300 m -44 4.010334×10^2 MCMXLV 0.3 $7(7y^2 - x^2)$ 	<ol style="list-style-type: none"> 0.01 1.26 1.14 0.072 20 0.125 7 2 hours 44 96 3 three 180° 200 m 78% -43 6.32 MCMXX 0.6 112 	<ol style="list-style-type: none"> 16 2.46 2.34 0.144 40 0.375 -1 4 hours 44 24 $\frac{1}{3}$ 6 5° 300 m 98% -46 6.02 MCMXXX 0.9 113

Week 17

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{121}$ 4.26 4.14 0.252 70 37.5% $x = 4$ or -4 $(a + 3)(a - 2)$ 300 160 km 100 (c) both  25, 125 60° -48 63.3 MCMXL 1.8 114 	<ol style="list-style-type: none"> 11 3.66 3.54 0.216 60 62.5% 1100 $(4y - 4)(y - 3)$ 125 100 km 10 (a) congruency  16, 64 30° -4 63 200 MCMLX 2.1 115 	<ol style="list-style-type: none"> $\frac{1}{144}$ 1.68 1.52 0.128 20 87.5% 10 cm (a) $\frac{1}{4}$ 75 -20 100 (a) congruency increase pressure in gases 1.5 km -8 2010 MCMLXX 1.2 116 	<ol style="list-style-type: none"> 17 8.08 7.92 0.64 100 5% 3 (b) 40.1% 90 -12 10 (b) similarity decrease 20° 15 km -17 2000 MCMLXXX 1.5 117

Week 18

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{27}$ 6.48 6.32 0.512 80 4% \$5.20 $\frac{2}{21}$ 100 $\frac{7}{8} + \frac{4}{5}$ 1 25 circular 10° 93.91 m -53 6.32 MMX 1.8 118 	<ol style="list-style-type: none"> $\sqrt{10}$ 4.88 4.72 0.384 60 2.5% \$3.90 $1\frac{1}{2}$ 625 $\frac{a}{6} + 7t$ 2 24 isosceles triangle 36° 91.39 m -26 63 200 MMI 2.1 119 	<ol style="list-style-type: none"> $\frac{1}{81}$ 4.58 4.42 0.36 $\frac{225}{4}$ 2% $5^2 \times 7$ $x = 16$ 600 2.319 m 1 2.5, 3.5 elliptical (oval-shaped) 18° 97% 23 46 MMIX 2.4 120 	<ol style="list-style-type: none"> $\frac{1}{2}$ 5.68 5.52 0.448 70 1% $2^2 \times 5 \times 3^2$ $x = 10$ 400 0.2319 m 2.25 2.4, 3.4 half a hyperbola 90° 86% 22 46 000 MMXI 2.7 121

Week 19

Day 1	Day 2	Day 3	Day 4
1. $\frac{1}{125}$	1. -2	1. $\frac{1}{4}$	1. $\frac{1}{8}$
2. 2.48	2. 3.28	2. 300.01	2. 400.001
3. 2.32	3. 3.12	3. 299.99	3. 399.999
4. 0.192	4. 0.256	4. 3	4. 0.4
5. 30	5. 40	5. 30 000	5. 400 000
6. 0.5%	6. 0.1%	6. 0.01%	6. $8.\bar{3}\%$
7. Teacher check	7. \$3.25	7. $x = 3$	7. $x = 2$
8. $x = 9$ or -9	8. $x = 3$	8. $2^4 \times 3^2$	8. $2^3 \times 3 \times 5$
9. 40	9. 4	9. 50	9. 5
10. 0.01039 m	10. 0.01939 m	10. 7.32 m	10. 1.98 m
11. 1	11. 1	11. 1	11. 1
12. 1.4, 1.0, 0.5	12. 125, 216	12. 100, 1000, 10 000	12. 0.1, 0.01, 0.001
13. parabola	13. (b) hyperbola	13. square	13. square
14. 1.6, 3.2, 6.4	14. 2.4, 4.8, 9.6	14. 45°	14. 8°
15. 72°	15. 3°	15. 89%	15. 83%
16. 121	16. 132	16. 16, 25, 36 (square)	16. 10, 15, 21 (triangular)
17. 62.0	17. 6.32	17. 633	17. 606
18. MMXX	18. MMXV	18. MMXVI	18. MMXXII
19. 3	19. 0.5	19. 2.5	19. 3.4
20. 122	20. 123	20. 124	20. 125



Week 20

Day 1	Day 2	Day 3	Day 4
1. $\frac{1}{16}$	1. $\frac{1}{32}$	1. $\frac{1}{64}$	1. $\frac{1}{128}$
2. 20.03	2. 20.02	2. 0.23	2. 0.202
3. 19.97	3. 19.98	3. 0.17	3. 0.198
4. 0.6	4. 0.4	4. 0.006	4. 0.0004
5. $666\frac{2}{3}$	5. 1000	5. $20\frac{2}{3}$	5. 100
6. 5%	6. 20%	6. 2.5%	6. 4%
7. $c = 1$	7. $x = 2$	7. \$210	7. \$120
8. $x = 6$	8. $x = 12$	8. 400 m	8. 6000 m
9. 120	9. 115	9. 200	9. 12.50
10. 9.39 m	10. 9.31 m	10. $8k$	10. $10r$
11. 0.8, 1.0, 1.2	11. 1.2, 1.5, 1.8	11. 121	11. 169
12. -1	12. 1	12. 2:3:3	12. 5:1:5
13. rectangular	13. rectangular	13. triangular	13. circular
14. 143	14. 165	14. \$9.50	14. \$51.75
15. 36°	15. 60°	15. 6°	15. 4°
16. 22, 35 (pentagonal)	16. 45, 66 (hexagonal)	16. 17	16. 19
17. 6.33	17. 6.33	17. 56.01	17. 5.60
18. MMXXIII	18. MMXIII	18. MMXXIX	18. MMXXXII
19. 2.5	19. 3.4	19. 10	19. 2.95
20. 126	20. 127	20. 128	20. 129

Week 21

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 1.64 2.5 0.6 \$8.75 2% (a) 0.6 about \$2080 62.5 225 4000 $\frac{1}{1}$ ellipse [s, h] sector 6 896 MMXXIV 3.985 130 	<ol style="list-style-type: none"> $\frac{1}{32}$ 1.5 3.4 0.4 \$1.25 5% (a) 0.16 \$14.30 105 289 50 000 000 $\frac{11}{10}$ rectangle [i] quarter -5 8.97 MMLV 11 131 	<ol style="list-style-type: none"> $\frac{1}{64}$ 2.87 2.95 0.006 0.05 6.25% [e, n] \$18.20 15 400 90 000 $\frac{1}{4}$ $A = \pi ab$ chord $1\frac{1}{3}$ -3 10 100 100 37 20 	<ol style="list-style-type: none"> $\frac{1}{128}$ 1.9 3.995 0.0004 5 $6.\bar{6}$% [e, n] \$22.10 35 625 700 $\frac{1}{5}$ $V = \frac{1}{2}(a + b)b \times d$ diameter $1\frac{1}{8}$ two hours 63 000 125 43 132

Week 22

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 1.1 2.5 0.6 50 10% [c, h, i] 9% 45 169 20 $\frac{7}{3}$ $A = 4\pi r^2$  $2\frac{1}{4}$ one hour 60 000 150 422 133 	<ol style="list-style-type: none"> $\frac{1}{32}$ 3.1 3.4 0.4 500 $9.\overline{09}$% [h, o, e, s] Slide, jump, slide 65 256 10 000 $\frac{10}{3}$ $V = \frac{4}{3}\pi r^3$  $1\frac{3}{4}$ 30 minutes 6 200 648 134 	<ol style="list-style-type: none"> $\frac{1}{64}$ 7.01 2.95 0.12 0.5 $11.\bar{1}$% $\frac{2}{3}$ [r, t, e] 75 576 5 000 000 $\frac{3}{4}$ $V = \pi r^2 h$ 6 cm 600 g 15 minutes 6.320 103 246 10 	<ol style="list-style-type: none"> $\frac{1}{128}$ 4.7 3.995 0.0004 0.25 5% \$40 [u, n] 80 361 800 000 $\frac{11}{20}$ $V = \frac{1}{2} bbl$ $d = 10$ cm 15° 7.5 minutes 6.321 107 123 135

Week 23

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 4.022 2.3 0.9 10 0.5% 2 : 3 [s] 30 324 9 $\frac{9}{20}$ $V = \frac{1}{3} \pi r^2 h$ Teacher check; e.g. 6, 28, 496 $0.\bar{2}$ 3 hr \$144 63.3 0.8 136 	<ol style="list-style-type: none"> $\frac{1}{81}$ 5.698 5.4 0.6 10 50% 1 : 1 : 3 [e, a] 40 196 0.004 (4 thousandths) $\frac{13}{20}$ $V = \frac{1}{6} lwh$ Perfect numbers are positive integers that are the sum of their positive divisors, not including themselves $0.\bar{3}$ six hours \$128 0.633 156 137 	<ol style="list-style-type: none"> $\frac{1}{729}$ 111.1 5.7 0.006 10 $0.\bar{4}$ Teacher check \$275 60 13 0.0004 (4 ten thousandths) $\frac{1}{6}$ $V = l^3$ astrolabe slide, jump, slide 12 hours \$280 0.3 180 18 	<ol style="list-style-type: none"> $\frac{1}{2187}$ 90.9 6.9 0.0004 10 55.$\bar{5}$% [a] \$550 70 16 0.04 (4 hundredths) $\frac{1}{12}$ $V = lwh$ 1.6 slide, jump, slide, jump, jump, slide, jump, slide 18 hours \$72 600 3.4 138

Week 24

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{256}$ 40.03 39.97 1.2 1333 $\frac{1}{3}$ -6 2.0 [t] 125 6.78% 0.5 (5 tenths) $\frac{1}{10}$ $V = \frac{1}{3} lwh$ 25 \$814.78 $\frac{1}{3}$ \$120 5.8 7.995 139 	<ol style="list-style-type: none"> $\frac{1}{3125}$ 40.02 39.98 0.8 2000 8 2.0 [i, e] 175 6.97% 0.00002 (2 hundred thousandths) $\frac{1}{100}$ $V = \frac{1}{3} l^2 h$ 23 trapezium $\frac{2}{3}$ \$180 66 000 4.95 140 	<ol style="list-style-type: none"> 64 0.23 0.17 0.006 $6\frac{2}{3}$ 45° 1.1 17 75 6.92% 0.000001 (1 millionth) No $\frac{1}{3}$, height not a subset of 45° 3 hours 100 13 311 30 	<ol style="list-style-type: none"> 128 0.202 0.198 0.0004 100 30° 1.6 12 60 6.89% 0.0000009 (9 ten millionths) No base, height congruent or identical to three 45 minutes 20.0 17 300 141




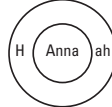
Week 25

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 16 3 12.5 1.5 10 $\frac{1}{36}$ 1.1 $\frac{1}{1000}$ 30 6.1% 27 No (It has an infinite number.) $A = bh$ $x = 22$ 3, 7 6 minutes 9.99 71 218 142 	<ol style="list-style-type: none"> 32 10.99 13.4 1 10 $\frac{1}{6}$ 2.5 $\frac{1}{10000}$ 36 5.1% 11 No (Squares have more.) $A = \frac{1}{2}bb$ $\leftarrow \rightarrow$ 21 12 minutes 10 97 269 143 	<ol style="list-style-type: none"> $0.1 = \frac{1}{10}$ 3.1 2.95 0.006 10 -6 1.0 4 cm 120 6.2% 15 [1, 3, 5] $A = 6l^2$ $\frac{1}{4}$ is an element of 9 minutes 20.0 377 \$2.50 93 	<ol style="list-style-type: none"> $0.01 = \frac{1}{100}$ 3.3 3.995 0.0004 10 -9 1.1 18 cm 210 6.3% 13 [2] $A = 2\pi r(r + h)$ $\frac{1}{4} \times \frac{12}{51} = \frac{1}{17}$ a line 18 minutes 10 468 \$3.35 144

Week 26

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 20.01 19.99 0.2 2000 12 cm 1.0 rectangle 600 7.2% 18 approximately $A = l^2$ $\frac{3}{52}$ is not an element of $\frac{1}{16}$ 5.0 89 922 145 	<ol style="list-style-type: none"> $\frac{1}{32}$ 20.04 19.96 0.8 500 10 cm 1.0 square 6 7.7% 14 is not equal to therefore $\frac{49}{52}$ (a) mean $\frac{1}{64} (\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4})$ 5 79 1800 146 	<ol style="list-style-type: none"> $\frac{1}{144}$ 3.7 0.45 0.006 10 -3 Teacher check [2, 4] 112 kg of CO₂ 6.6% 2500 2 $6p^5$ 1.1 \$20:\$100 $\frac{51}{52}$ 18.0 396 40 002 12 	<ol style="list-style-type: none"> $\frac{1}{64}$ 3.2 3.495 0.0004 10 2 (a) line graph [4, 8] 500 16.5% 2499 2 $6z^6$ 1.1 \$5:\$25 A line segment where A and B are end points 7.0 396 10 012 147

Week 27

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 20.03 19.97 0.6 666.$\bar{6}$ 2.5 km $-6 + 6x$ (b) nominal -2 56.5% 6.45 am  degrees Celsius @ $\frac{9}{16}$ 24 minutes 6.32 90 004 \$2.50 148 	<ol style="list-style-type: none"> $\frac{1}{32}$ 20.02 19.98 0.4 1000 7.5 km $-15 + 20y$ (b) nominal 0 65.5% 6.40 am  Kelvin MCMXXXII $\frac{3}{8}$ 36 minutes 6.3 442 \$3.40 149 	<ol style="list-style-type: none"> $\frac{1}{64}$ 3.45 3.05 0.014 10 2, 3 70 61 -1 76.5%  trapezium 7.05 am 6 1987 42 minutes 36.4 23 28 922 58 	<ol style="list-style-type: none"> $\frac{1}{128}$ 4.525 4.475 0.0016 10 3, 4 60 91 -1 6.15%  irregular pentagon 10.05 am 12 1998 48 minutes 6.4 11 247 150

Week 28

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 8.79 2.5 0.6 10 $x = \frac{1}{2}$ Teacher check 4, 5 4 4.7% (c) continuous irregular pentagon 2.55 pm 8388 1990 \$13 per hour 10 17 4 000 002 151 	<ol style="list-style-type: none"> $\frac{1}{32}$ 7.28 3.4 0.4 10 $x = 2.5$ 62 9, 10 -2 1.5% (d) discrete irregular hexagon 3.55 pm 45 1994 \$8 per hour 12.9 19 4 000 020 152 	<ol style="list-style-type: none"> $\frac{1}{9}$ 5.1 2.95 0.006 1 24 1.6 -2 10, 11 6.65% 405 irregular decagon 20 (2 tens) 11.55 am 1996 \$24 per hour 13 7 40 202 22 	<ol style="list-style-type: none"> $\frac{1}{27}$ 4.005 3.995 0.04 10 66 1.5 -1 4, 5 3.5% 15, 21 irregular octagon 3 (3 ones) 11.50 am 1935 \$23 per hour 13.0 11 42 002 153

Week 29

Day 1	Day 2	Day 3	Day 4
1. $\frac{1}{256}$	1. $\frac{1}{125}$	1. $\frac{1}{256}$	1. $\frac{1}{128}$
2. 3.51	2. 10.5	2. 0.36	2. 0.99
3. 2.85	3. 3.84	3. 8.45	3. 4.197
4. 0.6	4. 0.4	4. 0.006	4. 0.044
5. 1	5. 1	5. 30	5. 1
6. 16	6. 15	6. 12	6. 6
7. 10, 11	7. 8, 9	7. 6, 7	7. 6, 7
8. 65, 67	8. 59 (common year) or 60 (leap year)	8. 62	8. 61
9. 1	9. 3	9. -3	9. 2
10. 2.5%	10. 9.5%	10. 6.5%	10. 1.1%
11. 0.4 (4 tenths)	11. 0.05 (5 hundredths)	11. Yes	11. 130°
12. irregular hexagon	12. irregular decagon	12. irregular pentagon	12. irregular heptagon
13. 80%	13. 550%	13. 60%	13. 90%
14. 10.50 am	14. 11.50 pm	14. 6.35 pm	14. 6.45 pm
15. 1956	15. 1963	15. 2008	15. 1999
16. \$16 per hour	16. \$19 per hour	16. \$18 per hour	16. \$19 per hour
17. one	17. one	17. three	17. four
18. 37	18. 43	18. 103	18. 13
19. 884	19. 506	19. 504	19. 496
20. 154	20. 155	20. 14	20. 156

Week 30

Day 1	Day 2	Day 3	Day 4
1. $\frac{1}{256}$	1. $\frac{1}{512}$	1. $\frac{1}{256}$	1. $\frac{1}{128}$
2. 64.2	2. 8.59	2. 4.551	2. 5.73
3. 2.645	3. 3.84	3. 2.92	3. 3.985
4. 6	4. 0.22	4. 0.05	4. 0.005
5. 20	5. 30	5. 100	5. 100
6. 3	6. 9	6. 1	6. 7
7. 4, 5	7. 3, 4	7. 3, 4	7. 3, 4
8. 650, 670	8. 0.65, 0.67	8. 80 000 (8 ten thousands)	8. 0.008 (8 thousandths)
9. -5	9. 2	9. -1	9. -1
10. 4.5%	10. 5.4%	10. 3.2%	10. 1.6%
11. 8.40 am	11. 10.45 am	11. 6.33 am	11. 6.50 am
12. irregular heptagon	12. irregular hexagon	12. frequency polygon	12. True
13. 25%	13. 30%	13. 162	13. 243
14. 6.35 am	14. 9.35 pm	14. 95%	14. 85%
15. 2005	15. 2001	15. 1926	15. 2004
16. \$37 per hour	16. \$20 per hour	16. 1 : 20	16. \$17 per hour
17. 3	17. 3.1	17. three (3.14)	17. three
18. 43	18. 67	18. 29	18. 127
19. 247	19. 250	19. 40 804	19. 365
20. 157	20. 158	20. 30	20. 159

Week 31

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 1.16 2.8 1.4 100 -7 0.0625 20 (2 tens) 7 6.8% 0.006 (6 thousandths) line graph $6\frac{1}{4}$ or 6.25 28% 6.40 am 1 : 6 3.14 Younger sibling = 1 year old Older sibling = 5 years old 429 160 	<ol style="list-style-type: none"> $\frac{1}{32}$ 0.88 3.6 0.8 100 -9 400 7000 (7 thousands) -1 6.7% 100 (1 hundred) pie/sector/circle $12\frac{1}{4}$ or 12.25 20% 5.40 am \$16 per hour 3 Younger sibling = 2 years old Older sibling = 10 years old 422.5 161 	<ol style="list-style-type: none"> $\frac{1}{36}$ $\frac{4}{9}$ 2.905 0.006 100 -3 Teacher check 121 -4 7.6% 12.45 am 0.02 (2 hundredths) 50% 48 2056 1 : 4 four Younger sibling = 3 years old Older sibling = 4 years old 402.2 18 	<ol style="list-style-type: none"> $\frac{1}{49}$ $\frac{1}{2}$ 3.991 0.0002 100 -9 histogram 0.0001 -1 9.6% 6.45 pm 0.4 (4 tenths) 75% 27 2020 \$15 per hour 3 Younger sibling = 5 years old Older sibling = 6 years old 400.22 162


Week 32

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{64}$ 3.49 2.3 0.6 100 \$1600 96 m² 0.09 -3 8.75% 6.45 am (c) histogram 45% 24 2040 1 : 23 pi Younger sibling = 6 years old Older sibling = 8 years old 401.5 163 	<ol style="list-style-type: none"> $\frac{1}{81}$ 2.48 3.7 1 100 \$1 344 000 (Note: 1st edition misprint. Answer would be \$5250 using the hint. Correct answer is \$1 344 000.) 108 m² 4.84 -8 8.65% 11.45 am histogram 65% 40 2019 \$13 per hour golden ratio Younger sibling = 6 years old Older sibling = 10 years old 227.5 164 	<ol style="list-style-type: none"> $\frac{1}{121}$ 0.85 2.95 0.006 1000 15 Teacher check 30.25 -3 (8 + n = 5) 8.5% 10% A line made by joining the midpoints of the tops of the histogram bars 240 km 48 2018 1 : 30 golden 19 150.4 14 	<ol style="list-style-type: none"> $\frac{1}{144}$ 0.354 3.995 0.0004 1000 48 132 m² 26.01 -4 8.6% 15% The combined area of the bars Louis 18 52 2015 \$12 per hour 1.62 23 171.2 165

Week 33

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{25}$ 5.78 2.75 2.6 1000 4 27.04 about \$260 -3 8.9% 12 $\gamma^\circ = 136^\circ$ point George 6 2009 1 : 30 infinite climbing pentagrams 13 291.2 166 	<ol style="list-style-type: none"> $\frac{1}{216}$ 0.99 3.4 0.4 1000 0.0625 28.09 about \$390 -4 8.25% 8 $x^\circ = 105^\circ$ infinite amount Edward 8 2009 \$11 per hour Younger sibling = 4 years old Older sibling = 5 years old 17 172.5 167 	<ol style="list-style-type: none"> $\frac{1}{343}$ 25.98 2.95 0.006 100 $x = 22$ 29.16 about \$624 -1 6.9% 0.1 $w^\circ = 60^\circ$ Pascal's triangle Henry 8 2023 1 : 20 Younger sibling = 16 years old Older sibling = 20 years old Numbers that can not be expressed as ratios of integers. 78 2 	<ol style="list-style-type: none"> $\frac{1}{216}$ 2.30 m 3.995 0.0004 100 $x = 19$ 30.25 about \$832 -6 7.9% $\frac{1}{3}$ $z^\circ = 130^\circ$ It is an equiangular spiral William 4 2012 \$10/hr Younger sibling = 15 years old Older sibling = 20 years old No 75 168

Week 34

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{16}$ 12 2.5 0.6 100 $x = 22$ 31.36 about \$15 600 294 cm²  8.00 am $\gamma^\circ = 125^\circ$ 800% 1066 2016 1 : 5 Younger sibling = 12 years old Older sibling = 15 years old two 123.2 169 	<ol style="list-style-type: none"> $\frac{1}{1024}$ 13.51 3.4 0.4 100 $x = 36$ 32.49 about \$7800 8 cm³ \$289.80 7.55 am $x^\circ = 135^\circ$ 200 % 11 years 2028 \$9 per hour Younger sibling = 9 years old Older sibling = 12 years old Yes 14 433 170 	<ol style="list-style-type: none"> $\frac{1}{2048}$ 1 2.95 0.12 100 150 cm² 33.64 about \$780 4 6.99% 8.45 am $\alpha^\circ = 125^\circ$ 36 MDLVIII – MDCIII 2032 1 : 40 1 : 7 97 422 38 	<ol style="list-style-type: none"> $\frac{1}{4096}$ 5.5 3.995 0.0032 100 216 cm² 34.81 200 weekdays or 40 weeks 2 7.99% 7.30 am $b^\circ = 135^\circ$ 18 100 CE 2030 \$8 per hour 2 : 5 101 26 171

Week 35

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{4}$ 10.054 2.5 0.6 1000 No 4.41 about \$1664 360° 46.7 cm^3 (b) negative 8.50 am 8% 24 000 2042 1 : 30 2 : 7 67 14 422 172 	<ol style="list-style-type: none"> $\frac{1}{9}$ 10.382 3.4 0.4 1000 No 4.84 about \$1716 540° $b = 150^\circ$ (a) positive 9.05 am 28% 58 2044 \$8.50 per hour 1 : 14 71 48 422 173 	<ol style="list-style-type: none"> $\frac{1}{8}$ 8.8 2.95 0.006 1000 180° Incorrect about \$2184 Answers may vary; e.g. circle, quadrilateral, rotation angle. 77.76 cm^2 A 2-D figure with many sides as angles. (c) SSA 0.8% 60 2046 1 : 21 1 : 14 Younger sibling = 8 years old Older sibling = 10 years old 44 102 2 	<ol style="list-style-type: none"> $\frac{1}{27}$ 8.8 3.995 0.0004 3000 $x = V$ (vertices) – E (edges) + F (faces) = 2 2 about \$2288 180° 58.24 m^3 A 3-D figure with many faces. (b) similar 1% 50 2050 \$9.50 per hour 1 : 7 Younger sibling = 8 years old Older sibling = 14 years old 40 403.9 174

Week 36

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{256}$ 2.22 2.5 0.6 4000 180° 4 about \$2236 DLXXII, 572 2^{-4} Yes 8.25 am 80% 12 2060 1 : 2 2 : 7 53 40 805 175 	<ol style="list-style-type: none"> $\frac{1}{64}$ 5 3.4 0.4 2000 90° 5 about \$2392 MCDL, 1450 95.92 m^2 Yes 9.00 am 8% 12 2070 Older sibling = 8 years old Younger sibling = 6 years old 1 : 14 59 40 804.2 176 	<ol style="list-style-type: none"> 8 7.1 2.95 0.006 2000 11, 13, 17, 19 Teacher check about \$2496 450 8.99% 1, 2, 3, 5, 6, 10, 15, 30 10.35 am 0.8% $\frac{3}{8}$ 2080 1 : 2 48 m^2 103 $5\frac{2}{5}$ 22 	<ol style="list-style-type: none"> 16 1.2 3.995 0.0004 200 23, 29 kilolitres about \$2444 400 9.99% 1, 31 9.10 am 1% $\frac{4}{5}$ 2090 Older sibling = 15 years old Younger sibling = 6 years old 60 m^2 107 13 Yes

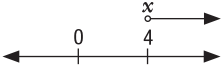
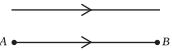
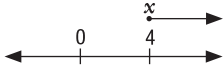
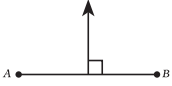
Week 37

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> 16 0.31 2.5 0.6 200 XIII $y = 5$ about \$1300 x is greater than 2 about 1650 m³ No (b) similar 2% $\frac{4}{5}$ 2100 1 : 10 1 : 70 10.10 am 17 365 days, 5 hours, 48 minutes and 46 seconds 	<ol style="list-style-type: none"> 32 0.33 3.4 0.4 110 CIV $y = -2$ about \$2080 x is less than 2 kilolitre Yes (2 odd vertices) (a) congruent 0.3% $\frac{4}{5}$ 2110 54 minutes 1 : 7 10.30 am 19 10 months 	<ol style="list-style-type: none"> 64 1.2 2.95 0.006 1100 dodecagon cylinder about \$208 x is greater than 2 add 15 700 cm² (assuming pi = 3.14) three 25% $\frac{2}{3}$ 2222 1 : 10 2 : 7 \$750 23 -14 	<ol style="list-style-type: none"> 128 0.21 3.995 0.0004 1100 heptagon three about \$416 x is less than 2 a trapezoidal prism (a) irregular prism 32 cm² 55% $\frac{2}{3}$ 3010 57 minutes 2 : 7 \$3750 29 July, August

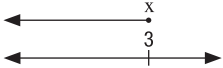
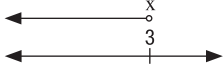
Week 38

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{2}$ 1.0 2.5 0.6 11 100 eight Teacher check about \$9880 Teacher check $2\pi r$ or πd $2\pi r$ or πd 12 m 6.55 am 9 2055 1 : 20 2 : 7 5 Gregorian $x = 4$ or -4 	<ol style="list-style-type: none"> $\frac{1}{4}$ 1.1 3.4 0.4 11 100 12 84 m² about \$5720 Teacher check height concentric circles 6.28 km 7.55 am $4\frac{1}{2}$ 2069 $\frac{4}{5}$ 1 : 21 3 Pope Gregory XIII $x = 5$ or -5 	<ol style="list-style-type: none"> $\frac{1}{4}$ 1.4 2.95 0.006 100 Yes Answers will vary; e.g. cereal box, dice about \$6760 Teacher check volume No $x = -4$ 8.55 am 62.5 2053 x^4 2 : 21 47 $x < 4$ 18 	<ol style="list-style-type: none"> $\frac{1}{16}$ 1.8 3.995 0.0004 20 SSS six about \$9100 Teacher check πr^2 Yes $y = -2$ 3.55 am 125 2054 x^7 2 : 7 31 $x < 4$ No

Week 39

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{8}$ 495 2.5 0.6 80 SAS Teacher check about \$2340  square metre 49 30° 9.55 am 72 2021 four years Father = 45 years old Son = 10 years old 7  Yes 	<ol style="list-style-type: none"> $\frac{1}{64}$ 17.35 3.4 0.4 50 000 ASA or AAS $365\frac{1}{4}$ days about \$3380  space 81 108° 12.55 am 65 2011 three Father = 35 years old Son = 10 years old 61  No 	<ol style="list-style-type: none"> $\frac{1}{256}$ 0.7 4.95 0.006 110 four 1901 about \$4420 \$5.38 circles, rectangle Yes $x^\circ = 144^\circ$ 11.55 pm 24 4010 $\frac{1}{3}$ Mother = 40 years old Son = 10 years old 37 size 42 	<ol style="list-style-type: none"> $\frac{1}{16}$ 1.1 6.995 0.0004 100 9 2001 about \$2860 \$3.33 cross-sectional faces Yes $x^\circ = 108^\circ$ 8.55 pm 55 2029 $\frac{2}{3}$ Father = 30 years old Daughter = 10 years old 43 (b) obtuse No

Week 40

Day 1	Day 2	Day 3	Day 4
<ol style="list-style-type: none"> $\frac{1}{2}$ 1.3 3.5 2.7 111 1.2 Teacher check about \$1820 56 litres concave down parabola 4383 days $x^\circ = 40^\circ$ 4.55 am 60 2024 $\frac{1}{8}$ Mother = 72 years old Son = 48 years old 103 HL Yes 	<ol style="list-style-type: none"> $\frac{1}{4}$ 0.9 1.6 4 111 0.9 one about \$780 730 litres multiply 5844 days $y^\circ = 110^\circ$ 5.4 70 2038 $\frac{1}{16}$ Father = 44 years old Son = 22 years old 127 AAA No 	<ol style="list-style-type: none"> $\frac{1}{8}$ 6.4 2.95 0.006 111 SSS three 12 cm × 16 cm × 24 cm  pair 1461 days year 10.55 am 600 2560 14 litres Older brother = 24 years old Younger brother = 12 years old 83 10 am 2 	<ol style="list-style-type: none"> $\frac{1}{16}$ 0.8 3.995 0.0004 1000 SAS four 4608 cm³  (a) litre 2922 days 10 10.55 pm 52.5 3020 28 litres Older sister = 16 years old Younger sister = 8 years old 97 10.10 am Teacher check