

# Answer Key

## Level 4

	RP > Ratio and Proportion	NS > Number sense	EE > expressions & equations	G > Geometry	SP > Statistics & Probability
week 1 page 1	2,640 ft	10° F	100 + 20w = 280 9 weeks	35 cm	1/9
week 1 page 2	<del>4</del> 4,000	8%, 1/8, 18%, 8/18, 0.8	-2 1/2 a - 5/6 b	24 ft	C
week 2 page 1	<del>68</del> 68,90	∅	7x² + 5x - 12 x ≤ 75	16π cm² or 50.24 cm²	510
week 2 page 2	3/4 tsp	-1/8 point	65 + 0.80x ≤ 125	150°	1/8
week 3 page 1	P = 50t	C	2p(3p² - p - 4)	720 in²	a
week 3 page 2	<del>263</del> 263.75	-1/4 mile	8f - 7g - 2h	1,014 mm²	set y
week 4 page 1	3,000,000 people per year	-1/8	35c	720 ft²	1/3
week 4 page 2	4 mph	2/3	<del>26</del> 26.00	<del>25</del> 25	d
week 5 page 1	80%	d	Brenda	113 miles²	40
week 5 page 2	<del>150</del> 150	3 4/9	3 + 5b - 2	3/5	C

week 6 page 1	\$15.20	Female	$6x \leq 45$ , $7.5$ min	Rectangle	$\frac{2}{9}$
week 6 page 2	$\frac{2}{3}$ acre per hr	$-4 + (-7)$ ; -11 total lost "yds	$m \leq 9$ ; no more than 9 months	$m\angle a = 47^\circ$ $m\angle b = 43^\circ$	yes the sample is random
week 7 page 1	$78\%$	$\emptyset$	$9.5d + 75 = 456$	$12^\circ$	$\frac{1}{8}$
week 7 page 2	4	0.875	$1.25x > 35$	$28.5 \text{ units}^2$	$\frac{1}{6}$
week 8 page 1	7.5%	$-\$23$	$(4x - 5) \text{ ft}$	vertical 37	b
week 8 page 2	$1\frac{1}{2}$ cups	$\frac{36}{55}$	$\$13$	36	$\frac{12}{25}$
week 9 page 1	$\frac{1}{8}$	-11, 520 meters	$\$25$ per month	$360 \text{ cm}^2$	540 students
week 9 page 2	29%	$\frac{5}{12}$	at least 7 students	156.5 cm tall	60
week 10 page 1	45	a	$6x^3 - 12x^2 + 3x$	$225 \text{ in}^3$	40 jazz
week 10 page 2	37.5%	$\$30.48$	631.25	$567 \text{ yd}^3$	Lesley 40 min Adam 28 min