Word Problems Week #3 – Answer Key

Question #	The Number System	Ratios & Proportional Relationships	Expressions & Equations	Statistics & Probability	Geometry
1	11°C	Hailey $7.25/trip Kim $7.69/trip	8a + 7c +3	Excludes students who arrive before 8:30 and/or after 9:00	38 in²
2	5/8	No; Chad 6.5 Geo 7.2	Expression A	1/3	Patio = 6 m² Garden = 22 m²
3	$30.48	120 people	6h + 18.5 = 86 h = 11.25 pounds	22/25	92.55 in
4	5 1/10	30 mL Vinegar	45.6	196 students	49 feet
5	-$15.75	$40.42	g = games 1.50g + 2 ≤ 20 g < 12 rides	Mean : 34 Median: 33.5 Mode: 43	950.184 in³
6	5:51pm	810 km	t = hours over 40 14.50(40) + 21.75t = 667 t = 4 hours	Blue	80°
7	Table w/5 ppl ($3.80)	$0.01	x > 9	A – Pizza B – Burger C – S'wich D - Other	A = 3375 cm³ B = 1350 cm²
8	**Answers will vary 12 yrs = 35 040 hrs	60 inches	$11.50	1/4	x = 8°