

Pre-Algebra Set 17 Answers

version 1.0

1. a) 11 units b) 14 units c) 10 units d) 27 units

2. a) 32, 45, 45, 53, 67, 78, 78, 89, 90 b) \longrightarrow

3. Proportional. $D = 2.2H$, where $D =$ dirt and $H =$ hours

4. 6. a) no outliers b) 18.5 c) 19 d) 10

5. a) $\frac{1}{2}$ b) $x = 2.5, y = 6.5$

6. Boys	3	6	9	18
Girls	2	4	6	12

7. a) $16.\bar{6}\%$ b) 50%

9. a)	Pounds of Nails	2	3	5	6	8	10	20	x
	Cost (\$)	0.86	1.29	2.15	2.58	3.44	4.30	8.60	$0.43x$

b) \$0.43/lb c) One pound of nails cost \$0.43.

d) $C = 0.43p$, where $C =$ cost and $p =$ pounds of nails, or $y = 0.43x$, $y =$ cost and $x =$ lbs nails

10. 0.19 cm per second

11. a) \$2.67 b) \$1.33

12. a) 0 b) 28 c) $42\frac{9}{17}$ d) 432 e) -150 f) 115

13. a) $1\frac{1}{9}$ b) $1\frac{1}{6}$ c) 8 d) $\frac{1}{8}$ e) $1\frac{7}{8}$ f) $2435\frac{23}{36}$

14. a) 28 in^2 b) 112 in^2

$$\begin{array}{r|l} 3 & 1 \ 1 \\ 4 & 3 \ 7 \\ 5 & \\ 6 & 1 \ 6 \ 8 \\ 7 & 0 \end{array}$$

