Lesson #125

1. 8.EE.6

$$y = \frac{5}{4}x + 2$$

2. 8.G.8

The distance is 25.50 units.

3. 8.SP.4

	6th Grade	7th Grade	8th Grade	Total
Boys	63	61	68	**192**
Girls	67	74	65	**206**
Total	**130**	**135**	**133**	**398**

4. 8.EE.8

$3x + 2y = 12$
$x - 2y = -4$
$4x = 8$
$x = 2$

$\frac{2}{-2} - 2y = \frac{-4}{-2}$
$\frac{-2y}{-2} = \frac{-6}{-2}$
$y = 3$

(2, 3)

5. 8.G.7

$a^2 + b^2 = c^2$
$34^2 + 24^2 = c^2$
$1732 = c^2$

hypotenuse = 41.6 mm

6. 8.EE.7

$-4v + 5 - 2v = 17$
$-6v + 5 = 17$
$-5 \quad -5$
$v = -2$

$\frac{-6v}{-6} = \frac{12}{-6}$
$v = -2$

7. 8.F.2

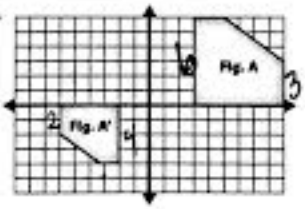
x	y
1	2
2	4
3	6
4	8

x	y
−2	1
−1	4.5
0	8
1	11.5

8. 8.G.9

$V = 36{,}000\pi$ in.^{3}

9. 8.G.4



similar; rotated 180°, dilated by scale factor of $\frac{2}{3}$

10. 8.EE.4

$(5.24 \times 10^{-4}) - (2.12 \times 10^{-4})$
5.028×10^{-4}

0.0005028

11. 8.SP.3

about 8 shovels

12. 8.F.3

y = x + 4	
x	y
−2	2
−1	3
0	4
1	5
2	6

yes