

KEY
Dual Dig Level I
March 12, 2011

1.

9

2.

60°

3.

33 boxes

4.

$100x - 50$

5.

$(\pi + 4)$ inches

6.

$\{-\sqrt{6}, \sqrt{6}\}$

7.

6

8. $f^{-1}(x) =$

$\frac{6x+5}{2-x}$ (or $\frac{-5-6x}{x-2}$)

9.

-297

10.

1

KEY

11.

1/64

12.

$A - 2B + 3$

13.

9

14.

5/8

15.

2

16.

$x\sqrt{2}$

17.

100

18.

2022 (base 5)

19.

a)

201 workers

b)

Pat

Riley

Yes

No

20.

301

Number Right
- Number Wrong
Score

$\times 0.5 =$