1st 5

SOLVE.

1. $8p = -40$

$\frac{8p}{8} = \frac{-40}{8}$

$p = -5$

2. $4x + 5 = 9$

$-5 \quad -5$

$4x = 4$

$\frac{4x}{4} = \frac{4}{4}$

$x = 1$

3. $3(x+1) = 12$

$3x + 3 = 12$

$-3 \quad -3$

$3x = 9$

$\frac{3x}{3} = \frac{9}{3}$

$x = 3$

4. $6x - 2x - 4 = 24$

$4x - 4 = 24$

$+4 \quad +4$

$4x = 28$

$\frac{4x}{4} = \frac{28}{4}$

$x = 7$

Equations Day 4

PW 18 answer WKBK p. 24

1) -9.6
4) -3
5) -11
6) -9
7) 5
8) -11
9) 4
10) 3
11) -5
12) 2
13) -5
14) 3
15) 7
16) 23
17) -6
18) 21
19) -8
21) 10
23) -2
24) -5

Equations Day 4

19. $-w + 4(w + 3) = -12$

$-w + 4w + 12 = -12$

$3w + 12 = -12$

$-12 \quad -12$

0

$\frac{3w}{3} = \frac{-24}{3}$

$w = -8$

Equations Day 4

21. $-4d + 2(3 + d) = -14$

$-4d + 6 + 2d = -14$

$-2d + 6 = -14$

$-6 \quad -6$

0

$\frac{-2d}{-2} = \frac{-20}{-2}$

$d = 10$

Equations Day 4

10. $2(a - 4) + 15 = 13$

$2a - 8 + 15 = 13$

$2a + 7 = 13$

$-7 \quad -7$

$\frac{2a}{2} = \frac{6}{2}$

$a = 3$

Equations Day 4

Practice Problems

1) $4n - 2n = 18$

$\frac{2n}{2} = \frac{18}{2}$

$n = 9$

Equations Day 4

2) $y+y+2=18$

$2y+2=18$

$-2 \quad -2$

$2y=16$

$\frac{2y}{2}=\frac{16}{2}$

$y=8$

Equations Day 4

3) $5-x-x=-1$

$5-2x=-1$

$-5 \quad -5$

$-2x=-6$

$\frac{-2x}{-2}=\frac{-6}{-2}$

$x=3$

Equations Day 4

4) $13=5-13+3x$

$13=-8+3x$

$+8 \quad +8$

$\frac{21}{3}=\frac{3x}{3}$

$7=x$

Equations Day 4

5) $9=-3+n+2n$

$9=-3+3n$

$+3 \quad +3$

$\frac{12}{3}=\frac{3n}{3}$

$4=n$

Equations Day 4

6) $7m-3m-6=6$

$4m-6=6$

$+6 \quad +6$

$\frac{4m}{4}=\frac{12}{4}$

$m=3$

Equations Day 4

7) $-13=2b-6-10$

$-13=b-10$

$+10 \quad +10$

$-3=b$

Equations Day 4

8) $2(8+p)=22$

$16+2p=22$

$-16 \quad -16$

$\frac{2p}{2}=\frac{6}{2}$

$p=3$

Equations Day 4

9) $5(x-1)=35$

$5x-5=35$

$+5 \quad +5$

$\frac{5x}{5}=\frac{40}{5}$

$x=8$

Equations Day 4

10) $15=-3(2y-1)$

$15=-6y+3$

$-3 \quad -3$

$\frac{12}{-6}=\frac{-6y}{-6}$

$-2=y$

Equations Day 4

11) $m+5(m-1)=7$

$m+5m-5=7$

$6m-5=7$

$+5 \quad +5$

$\frac{6m}{6}=\frac{12}{6}$

$m=2$

Equations Day 4

12) $-4(x+6)=-40$

$-4x-24=-40$

$+24 \quad +24$

$\frac{-4x}{-4}=\frac{-16}{-4}$

$x=4$

Equations Day 4

13) $8y-1(2y-3)=9$

$8y-2y+3=9$

$6y+3=9$

$-3 \quad -3$

$\frac{6y}{6}=\frac{6}{6}$

$y=1$

Equations Day 4

PW 19

- Worksheet multi-step equations (# 1 - 20)
- **TURN IN**

Equations Day 4