

# CW1 Algebra Solutions

17.  $R = 500$

$$10R + 8R - 5R$$

$$10 \cdot 500 + 8 \cdot 500 - 5 \cdot 500$$

$$5000 + 4000 - 2500$$

$$\boxed{6500}$$

18.  $14 - 4 = 10$

$$14 - a = ? \text{ depends on } a$$

$$14 + 3 = 17$$

$$14 + y = ? \text{ depends on } y$$

19.  $c + c + c + c + c$

$5c$  because multiplication is a "shortcut" for repeated addition

20. B done it  $t$  seconds

$$C = t + 2$$

21. James  $\rightarrow p$  pounds

$$E = p - 10$$

22.  $d \rightarrow$  dimes

$$D = \frac{d}{10} \text{ because a dime is } \frac{1}{10} \text{ of } \$1$$

$$c = 10d \text{ because a dime is 10 cents}$$

23. Boy  $\rightarrow m$  miles

$$\text{Dad} = 2m$$

24. pin costs  $c$  cents

$$b = \frac{c}{2} \text{ or } \frac{1}{2}c$$