

## Changing the subject lesson 3 – answers

1) 
$$g \boxed{+ h} = t$$

$$\begin{matrix} -h & -h \end{matrix}$$

$$\underline{g = t - h}$$

2) 
$$g \boxed{- h} = t$$

$$\begin{matrix} +h & +h \end{matrix}$$

$$\underline{g = t + h}$$

3) 
$$t = g + h$$

$$g \boxed{+ h} = t$$

$$\begin{matrix} -h & -h \end{matrix}$$

$$\underline{g = t - h}$$

4) 
$$\boxed{g} + h = t$$

$$\begin{matrix} -g & -g \end{matrix}$$

$$\underline{h = t - g}$$

5) 
$$\boxed{b} - c = \boxed{d}$$

$$\begin{matrix} -b & -b \end{matrix}$$

6) 
$$\boxed{y} - b = \boxed{m}$$

$$\begin{matrix} -y & -y \end{matrix}$$

7) 
$$\boxed{5} - m = \boxed{p}$$

$$\begin{matrix} -5 & -5 \end{matrix}$$

$$\begin{matrix} -c = d - b \\ \underline{c = -d + b} \end{matrix}$$

$$\begin{matrix} -b = m - y \\ \underline{b = -m + y} \end{matrix}$$

$$\begin{matrix} -m = p - 5 \\ \underline{m = -p + 5} \end{matrix}$$

8) 
$$-t \boxed{+ 5} = v$$

$$\begin{matrix} -5 & -5 \end{matrix}$$

9) 
$$-b \boxed{+ d} = f$$

$$\begin{matrix} -d & -d \end{matrix}$$

10) 
$$-q \boxed{- r} = z$$

$$\begin{matrix} +r & +r \end{matrix}$$

$$\begin{matrix} -t = v - 5 \\ \underline{t = -v + 5} \end{matrix}$$

$$\begin{matrix} -b = f - d \\ \underline{b = -f + d} \end{matrix}$$

$$\begin{matrix} -q = z + r \\ \underline{q = -z - r} \end{matrix}$$

11) 
$$5 = a - b$$

$$\boxed{a} - b = \boxed{5}$$

$$\begin{matrix} -a & -a \end{matrix}$$

$$\begin{matrix} -b = 5 - a \\ \underline{b = -5 + a} \end{matrix}$$

12) 
$$m = p - r$$

$$\boxed{p} - r = \boxed{m}$$

$$\begin{matrix} -p & -p \end{matrix}$$

$$\begin{matrix} -r = m - p \\ \underline{r = -m + p} \end{matrix}$$

13) 
$$x = y - a$$

$$\boxed{y} - a = \boxed{x}$$

$$\begin{matrix} -y & -y \end{matrix}$$

$$\begin{matrix} -a = x - y \\ \underline{a = -x + y} \end{matrix}$$