## Lesson 11

### 11.1 Introducing Fraction Answers

Solve these pairs of simultaneous equations;
This is a 'random' collection of problems.
Some answers are negative, and some are decimal fractions.

### 11.2 Exercise

$$
\text { Marks Available : } 60
$$

## Question 1

$$
\left.\begin{array}{rl}
2 x+y & =4 \\
x-y & =5
\end{array}\right\}
$$

## Question 2

$$
\left.\begin{array}{l}
5 x+2 y=11 \\
3 x+4 y=8
\end{array}\right\}
$$

## Question 3

$$
\left.\begin{array}{l}
4 x+2 y=14 \\
2 x+3 y=15
\end{array}\right\}
$$

## Question 4

$$
\left.\begin{array}{l}
3 x-4 y=4.5 \\
2 x+2 y=10
\end{array}\right\}
$$

## Question 5

$\left.\begin{array}{r}x-2 y=4 \\ 3 x-y=-3\end{array}\right\}$

Question 6
$\left.\begin{array}{l}3 x+2 y= \\ 2 x+6 y=\end{array} \quad 13\right\}$

## Question 7

$\left.\begin{array}{r}2 x-5 y=4 \\ x-4 y=5\end{array}\right\}$
[ 5 marks ]

## Question 8

$6 x+2 y=14$
$3 x-5 y=10\}$

Question 9

$$
\left.\begin{array}{rl}
2 x+4 y & =15 \\
x+5 y & =21
\end{array}\right\}
$$

## Question 10

$$
\left.\begin{array}{r}
x-5 y=15 \\
3 x-7 y=17
\end{array}\right\}
$$

## Question 11

$$
\left.\begin{array}{rr}
3 x-y & =5 \\
x+3 y & =-20
\end{array}\right\}
$$

## Question 12

$$
\left.\begin{array}{l}
5 x+4 y=11 \\
2 x+3 y=9
\end{array}\right\}
$$

