

Selesaikan persamaan serentak yang berikut (kaedah penghapusan):

1. $3k - 4n = -16$

$k + 2n = 8$

Penyelesaian:

$$\begin{array}{rcl}
 3k - 4n = -16 & \xrightarrow{\quad} & 3k - 4n = -16 \\
 (k + 2n = 8) \times 3 & \xrightarrow{\quad} & \boxed{} \\
 \hline
 \boxed{} & \ominus & \boxed{} = \boxed{} \ominus \boxed{} \\
 & & \boxed{} = \boxed{} \\
 & & n = \boxed{}
 \end{array}$$

gantikan $n = \boxed{}$

$$k + 2\boxed{} = 8$$

$$k = \boxed{}$$

2.

$m - 3n = 5$

$3m - n = -1$

Penyelesaian :

$$\begin{array}{rcl}
 (m - 3n = 5) \times 3 & \xrightarrow{\quad} & \boxed{} \\
 3m - n = -1 & \xrightarrow{\quad} & 3m - n = -1 \\
 \hline
 \boxed{} & \ominus & \boxed{} = \boxed{} \ominus \boxed{} \\
 & & \boxed{} = \boxed{} \\
 & & n = \boxed{}
 \end{array}$$

gantikan $n = \boxed{}$

$$m - 3\boxed{} = 5$$

$$m = \boxed{}$$

3. $4p + q = 2$

$2p - 3q = 8$

Penyelesaian:

$$\begin{array}{rcl}
 4p + q = 2 & \xrightarrow{\quad} & 4q + q = 2 \\
 (2p - 3q = 8) \times 2 & \xrightarrow{\quad} & \boxed{} \\
 \hline
 \boxed{} \text{ (orange)} \boxed{} & = & \boxed{} \text{ (orange)} \boxed{} \\
 \boxed{} & = & \boxed{} \\
 q & = & \boxed{}
 \end{array}$$

gantikan $q = \boxed{}$

$$\begin{aligned}
 4p + \boxed{} &= 2 \\
 4p &= \boxed{} \\
 p &= \boxed{}
 \end{aligned}$$

4. $x - y = 11$

$2x + 3y = 2$

Penyelesaian:

$$\begin{array}{rcl}
 (x - y = 11) \times 2 & \xrightarrow{\quad} & \boxed{} \\
 2x + 3y = 2 & \xrightarrow{\quad} & 2x + 3y = 2 \\
 \hline
 \boxed{} \text{ (orange)} \boxed{} & = & \boxed{} \text{ (orange)} \boxed{} \\
 \boxed{} & = & \boxed{} \\
 y & = & \boxed{}
 \end{array}$$

gantikan $y = \boxed{}$

$$\begin{aligned}
 x - \boxed{} &= 11 \\
 x &= \boxed{}
 \end{aligned}$$