- 1. Use the block diagram to complete
 - (i) these 3 solve equations: . .

 $\dots - \spadesuit = \dots$

... + ♣ = ..

♣ + ... = ..

| | 11 |
|---|----|
| 8 | * |

(ii) ♣ = ...

- 2. Use the block diagram to complete
 - (i) these 3 solve equations:

 $\dots - \blacklozenge = \dots$

 $\blacklozenge \ + \ \ldots \ = \ \ldots$

... + ♦ = ..

| | 14 |
|----------|----|
| * | 9 |

(ii) \blacklozenge = ...

- 3. Use the block diagram to complete
 - (i) these 3 solve equations:

$$\ldots - \nabla = \ldots$$

$$\nabla$$
 + ... = ...

$$\dots + \nabla = \dots$$

| | 16 |
|----------|----|
| ∇ | 7 |

(ii) $\nabla = \dots$

- 4. Use the block diagram to complete
 - (i) these 3 solve equations:

$$\dots - \circledast = \dots$$

$$* + \dots = \dots$$

| | 16 | |
|---|----|---|
| * | | 9 |

 $(ii) \circledast = \dots$

Answers

- 1. (i) $11 \clubsuit = 8$
 - $8 + \clubsuit = 11$
 - -8 + 8 = 11
 - (ii) -3
- 2. (i) $14 \spadesuit = 9$
 - $\spadesuit + 9 = 14$
 - $9 + \spadesuit = 14$
 - (ii) $\blacklozenge = 5$
- 3. (i) $16 \nabla = 7$
 - $\overset{\smile}{\nabla} + 7 = 16$
 - $7 + \nabla = 16$
 - (ii) $\nabla = 9$
- 4. (i) $16 \circledast = 9$
 - * + 9 = 16
 - 9 + * = 16
 - (ii) *=7