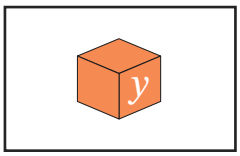
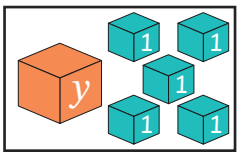
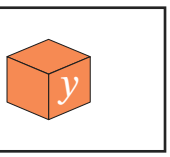
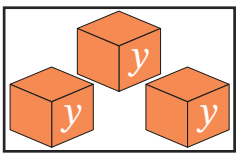
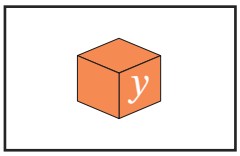
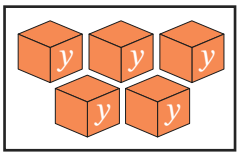
1) b)

| Input | + 5 | Output |
|---|---|---|
|  | → |  |
| $y$ | → | $y + 5$ |

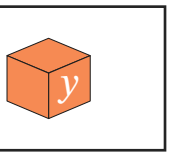
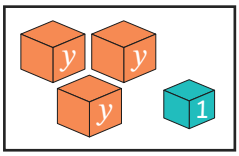
c)

| Input | × 3 | Output |
|---|---|---|
|  | → |  |
| $y$ | → | $3y$ |

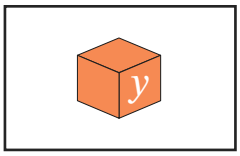
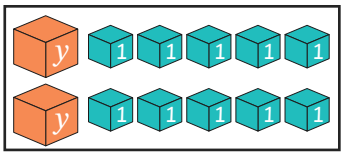
d)

| Input | × 5 | Output |
|---|---|---|
|  | → |  |
| $y$ | → | $5y$ |

e)

| Input | × 3 + 1 | Output |
|---|---|---|
|  | → |  |
| $y$ | → | $3y + 1$ |

f)

| Input | + 5 × 2 | Output |
|---|---|---|
|  | → |  |
| $y$ | → | $2(y + 5)$ |

1) a) *This is correct.*

b) *Incorrect – the correct expression is $3(y + 4)$.*

c) *Incorrect – the correct expression is $y - 3 + 10$.*

d) *Incorrect – the correct expression is $y + 12 \div 2$.*

1)

| | | | | | |
|---|---|---|---|---|---|
| $y$ | $y + 6$ | $2y + 8$ | $4y + 2$ | $5y + 4$ | $3(y + 2)$ |
| $2y$ | $y + 7$ | $3y + 1$ | $4y + 3$ | $5y + 5$ | $4(y + 1)$ |
| $3y$ | $y + 8$ | $3y + 2$ | $4y + 4$ | $5y + 6$ | $4(y + 2)$ |
| $4y$ | $2y + 1$ | $3y + 3$ | $4y + 5$ | $5y + 7$ | $5(y + 1)$ |
| $5y$ | $2y + 2$ | $3y + 4$ | $4y + 6$ | $5y + 8$ | $2(2y + 1)$ |
| $y + 1$ | $2y + 3$ | $3y + 5$ | $4y + 7$ | $2(y + 1)$ | $2(2y + 2)$ |
| $y + 2$ | $2y + 4$ | $3y + 6$ | $4y + 8$ | $2(y + 2)$ | $2(2y + 3)$ |
| $y + 3$ | $2y + 5$ | $3y + 7$ | $5y + 1$ | $2(y + 3)$ | $2(2y + 4)$ |
| $y + 4$ | $2y + 6$ | $3y + 8$ | $5y + 2$ | $2(y + 4)$ | |
| $y + 5$ | $2y + 7$ | $4y + 1$ | $5y + 3$ | $3(y + 1)$ | |