

## Substitution into formulas and expressions

1. Use  $a=3$ ,  $b=-2$  and  $c=7$  to work out the values of Column A and match with Column B.

| COLUMN-A | COLUMN-B |
|----------|----------|
|----------|----------|

|         |            |
|---------|------------|
| $a+b+c$ | <b>-17</b> |
|---------|------------|

|       |          |
|-------|----------|
| $abc$ | <b>7</b> |
|-------|----------|

|        |          |
|--------|----------|
| $bc-a$ | <b>8</b> |
|--------|----------|

|         |            |
|---------|------------|
| $a^2+b$ | <b>-42</b> |
|---------|------------|

|         |           |
|---------|-----------|
| $b-a^2$ | <b>20</b> |
|---------|-----------|

|          |            |
|----------|------------|
| $-bc-ab$ | <b>-11</b> |
|----------|------------|

2. Use  $a=6$ ,  $b=2$  and  $c=5$  to work out the values and drag the solution to the correct place.

|                      |                    |                        |                         |
|----------------------|--------------------|------------------------|-------------------------|
| (a) $\frac{3a+b}{c}$ | (b) $\frac{ac}{b}$ | (c) $\frac{a+2b+c}{3}$ | (d) $\frac{a^2+b^2}{c}$ |
|                      |                    |                        |                         |

|         |        |        |        |
|---------|--------|--------|--------|
| Ans: 15 | Ans: 5 | Ans: 4 | Ans: 8 |
|---------|--------|--------|--------|

