

Substitution Decimals and Negatives

Substitute the values $a = -1$, $b = -3$, $c = 5$ and $d = 0.5$ into each expression. Colour the segment by finding your answer in the key.

Light Blue	5
Yellow	9
Brown	2
Light Green	-1
Dark Green	4

Expressions in the segments:

- $ab + 4d$
- $c + 4$
- $-ac$
- $2d + 4$
- $c^2 - 20$
- $2b + 5$
- $a^2 + 1$
- $a + 10$
- $a(b - 1)$
- $2 - b$
- $4 - a$
- $\frac{4}{3}ab$
- $c - b + 1$
- $2a + 11$
- $4 - a$
- $8d + 5$
- $cd + 1.5$
- $5a + 9$
- $10d + b$
- $2c - 1$
- $3b + 11$
- $2c - 8$
- $-3b$
- $18d$
- $3a + 5$
- $2(c - 4)$
- $3b + 11$
- $3a + 5$
- $9a^2$
- $-2d$
- $c + 4$
- $a^2 - 2$
- $a^2 + 8$
- $c - 6$
- $b - 2a$
- $2b^2 - 14$
- $ab + 6$
- $b - -1$
- $8d$
- $2(c + b)$
- $\frac{c}{d} - 11$
- $4d + 7$
- $c^2 - 21$
- $8d$
- $4d$
- b^2
- $cd - 3.5$
- $b - 1.5$
- $2d - 2$
- $b + 2$
- $4d + 2$
- $16d^2$
- $d(1 - b) + 2$
- $14 - 2c$
- $ab - c + 1$
- $d(a - 1)$
- $5 - b - 18d$
- $ab - 4$



Substitution Decimals and Negatives Answers

Substitute the values $a = -1$, $b = -3$, $c = 5$ and $d = 0.5$ into each expression. Colour the segment by finding your answer in the key.

Light Blue	5
Yellow	9
Brown	2
Light Green	-1
Dark Green	4

The sunflower illustration contains the following algebraic expressions in its segments:

- Light Blue segments: $ab + 4d$, $2d + 4$, $c^2 - 20$, $2b + 5$, $2 - b$, $4 - a$, $-ac$, $a(b - 1)$
- Yellow segments: $c + 4$, $a^2 + 1$, $a + 10$, $c - b + 1$, $8d + 5$, $2a + 11$, $10d + b$, $2c - 1$, $3b + 11$, $a^2 + 8$, $ab + 6$, $4d + 7$, $a^2 + 8$
- Brown segments: $a^2 + 1$, $3a + 5$, $2(c - 4)$, $b - -1$
- Light Green segments: $2b + 5$, $2c - 8$, $18d$, $9a^2$, $c - 6$, $c + 4$, $a^2 - 2$, $-2d$, $8d$, $b - 2a$, $2(c + b)$, $c^2 - 21$, $d - 1.5$, $2d - 2$, b^2 , $cd - 3.5$, $d - 1.5$, $14 - 2c$
- Dark Green segments: $5a + 9$, $cd + 1.5$, $\frac{4}{3}ab$, $2c - 1$, $3b + 11$, $2c - 1$, $3b + 11$, $c - 6$, $2b^2 - 14$, $\frac{c}{d} - 11$, $8d$, $4d$, b^2 , $cd - 3.5$, $d - 1.5$, $14 - 2c$, $2d - 2$, $b + 2$, $2(c + b)$, $cd - 3.5$, $d - 1.5$, $14 - 2c$, $2d - 2$, $4d + 2$, $16d^2$, $d(1 - b) + 2$, $ab - c + 1$, $d(a - 1)$, $5 - b - 18d$, $ab - 4$, $4d + 2$, $16d^2$, $d(1 - b) + 2$, $ab - c + 1$, $d(a - 1)$, $5 - b - 18d$

