

Skill description: Evaluating expressions involving brackets and multiple terms by substituting positive values for variables.

Essential Revision

1. Write the algebraic term.	2. Evaluate.
23 multiplied by y	$\frac{21}{y}$ if $y = 7$
3. Evaluate.	4. Evaluate. $5x - 2p$
-11n if $n = -2$	if $x = 4$ and $p = 3$
5. Evaluate. $3x - 2p$	6. Write the algebraic term.
if $x = -4$ and $p = 3$	25 multiplied by x



STRATEGIES TO SOLVE THE PROBLEMS

Substitution involving multiple terms and brackets

In the previous levels, we examined substituting values into an expression with multiple variables; now, we look at including expressions with brackets.

Example 1 Evaluate.

5(x+2) if x = 4



Substitute the value x = 4.



 $^{\odot}$ Super 12s Visit super12s.com for copyright details.

Visit super12s.com for more than 200 Algebra booklets just like this one!

Example 2

Evaluate.

$$4(x-3)(x+1)$$
 if $x=5$

Step 1

Substitute the value x = 5.



 \odot Super 12s Visit super12s.com for copyright details.

Visit super12s.com for more than 200 Algebra booklets just like this one!

Example 3

Evaluate.

$$(2x-1)(3x+2)$$
 if $x=2$

Step 1

Substitute the value x = 2.



 $\ensuremath{\mathbb{C}}$ Super 12s Visit super12s.com for copyright details.

Visit super12s.com for more than 200 Algebra booklets just like this one!





MASTERY TEST				
Teacher's signature				
\$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
I'VE COMPLETED	SUPPER IDS CELEBRATING PROGRESS This certificate is awarded to	CELEBRATING PROGRESS		
} }		m		
LEVELS THIS YEAR				
Solutions to Essential Revision				
§1. 23 <i>y</i>	{2.3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
3. 22	4. 14	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
518	6.25x			
7. 24	8. −2			
9. 32	10. −44	1044		
$11. \frac{9}{z}$	$\frac{1}{3}$	$\frac{12.\frac{1}{3}}{12.\frac{1}{3}}$		
Solutions to Questions				
1. 12	2. 48	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
3. 64	4. 49	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
5. 24	6. 46	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
7. 30	8. 75	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
9. 110	10. 10			
§11. 24	12. 12			
© Super 12s Visit super12s.com for copyright details.				
VISIC SUPERIZS. CUM FOR MORE CHUR ZUU ALGEDIU DUUKLELS JUST LIKE UNIS ONE!				