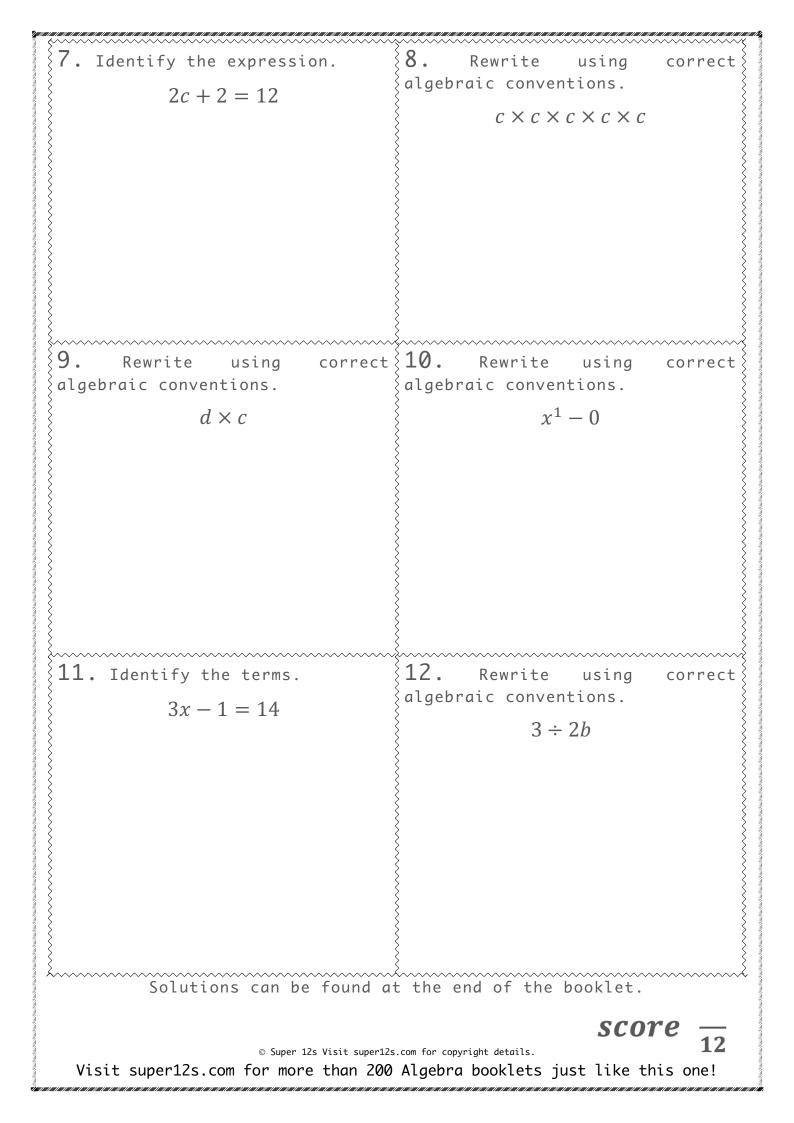


Skill description: Writing algebraic expressions from worded descriptions.

Essential Revision

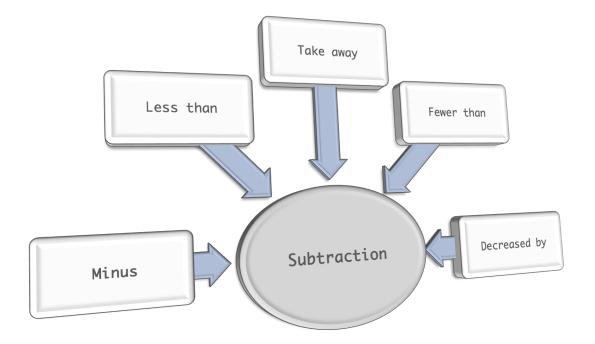
1. Identify the terms. -5x + 1 = -4	2. Rewrite using correct algebraic conventions. y ¹
3. Rewrite using correct algebraic conventions. $9 \times x$	4. Rewrite using correct algebraic conventions. $b+0$
5. Identify the variable. 3 - x = 1	6. Rewrite using correct algebraic conventions. $3 \div y$



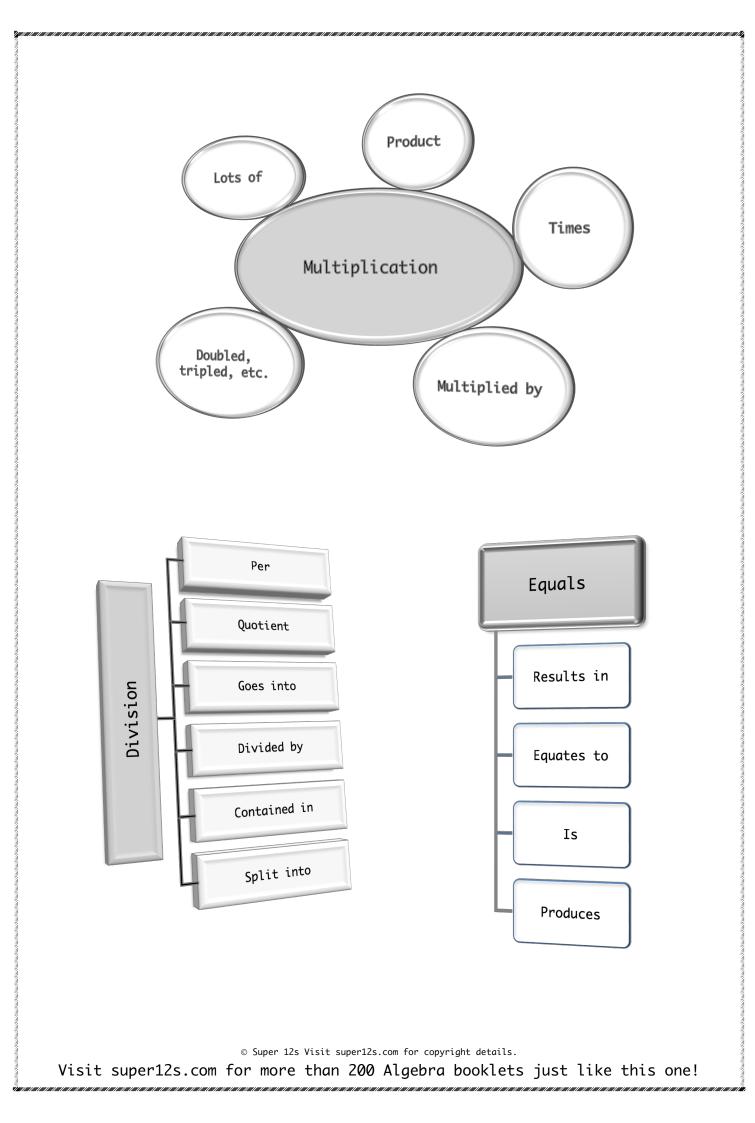
STRATEGIES TO SOLVE THE PROBLEMS

Look for the keywords that describe the operations.





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Example 1 Write an algebraic expression for: The sum of 3 and y. Solution 'Sum' means add. 3 + yy+3 is also correct. Example 2 Write an algebraic expression for: 4 more than x.

Solution

'More than' indicates addition.

x+4 is correct and best describes the phrase; however,

4 + x is also correct.

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Example 3

Write an algebraic expression for:

6 less than y.

Solution

'Less than' implies you need to subtract.

You need to start with the variable y and subtract 6 from it.

$$y-6$$
 is correct.

6-y is incorrect, as this indicates y less than 6 , which is not what the question asks.

Example 4

Write an algebraic term for:

The product of g and 3.

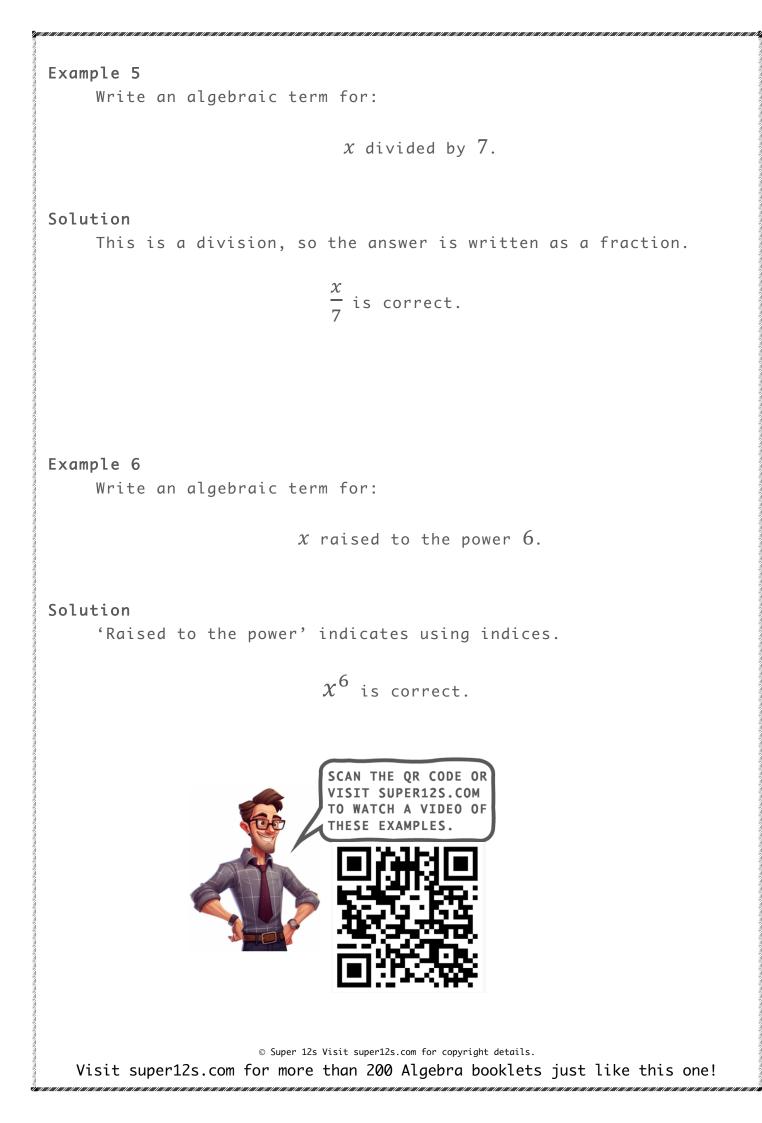
Solution

'Product' signals the need to multiply.

Remember from Level 3 that the number is placed before the variable.

3g is correct.

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QUESTIONS Write an algebraic term or expression for:		
1. Divide 7 by C.	2. Multiply x by 3.	
3. <i>x</i> minus 11.	4. The product of 7 and g .	
5. x raised to the 3 rd power.	6. The sum of 3 and y .	
7. Subtract 3 from x .	8. 7 more than x.	
9. 11 divided by <i>x</i> .	10. The product of x and 7.	
11. 4 less than <i>x</i> .	12. y raised to the 4 th power.	
Solutions can be found at THE END OF THE BOOKLET. © 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 -----LEVELS THIS YEAR





Solutions to Essential Revision

15x, 1, -4	2. <i>y</i>
3.9x	4. <i>b</i>
5. <i>x</i>	6. $\frac{3}{y}$
$\{7. 2c+2\}$	8. c^{5}
9. <i>cd</i>	10. <i>x</i>
11. 3x, -1, 14	$12. \frac{3}{2b}$

Solutions to Questions

1. $\frac{7}{c}$	2. 3 <i>x</i>
3. $x - 11$	4. 7 <i>g</i>
5. x^3	6. $3 + y$
7. $x - 3$	8. $x + 7$
9. $\frac{11}{x}$	10. 7 <i>x</i>
11. $x - 4$	12. y ⁴

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