

Notes – Level 9

Maths

Show working for these Sections: 2, 4, 6, 7, 9

Section 2

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

Solve and verify.

The difference of two numbers is 18, and their sum is 90. Find the two numbers.

smaller number =

larger number =

A boy's age is three times the age of his sister. Their ages together total 16 years.

What is the age of each?

sister's age =

boy's age =

SHOW WORKING HERE

[Office use only 1098: 3-4]

Section 3

For the following question, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

[Office use only 1099: 4]

<p>Divide.</p> <div style="text-align: center;"><div style="border: 1px solid black; width: 50px; height: 15px; margin: 0 auto;"></div>$\begin{array}{r} \\ -10a^5 \overline{) -40a^6 + 50a^5} \end{array}$</div>	
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Section 4

For the following question, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

[Office use only 1100: 3]

<p>Factor.</p> $4a^2 + 16ab + 16b^2 = \square (\square) \square$	
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Section 5

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

[Office use only 1101: 1-2]

$\frac{a}{a - \frac{a}{2}} = \square$	
$\frac{x^2y^3}{4} \cdot \frac{1}{y^2} \div \frac{xy}{16} = \square$	

Section 6

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

SHOW WORKING HERE

CHECK

[Office use only 1102: 2-3]

$\begin{aligned} x + 2y &= 15 \\ x - 2y &= -9 \end{aligned}$ Solution = (<input type="text"/> , <input type="text"/>)		
$\begin{aligned} x - y &= 0 \\ 7x - 3y &= 24 \end{aligned}$ Solution = (<input type="text"/> , <input type="text"/>)		

Section 10

For the following group of questions, show working in the spaces below. Choose or write the correct answer on your computer.

[Office use only 1106: 2, 5]

A rectangle is 13 centimeters longer than it is wide. Its perimeter is 226 centimeters. Find its length and width.	width = <input type="text"/> cm length = <input type="text"/> cm	
The sum of two numbers is 33. Twice the first number minus the second number equals 18. Find both numbers.	first number = <input type="text"/> second number = <input type="text"/>	