Decimals	(18 marks
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- 1. Write 78.345 correct to one decimal place.
- 2. Is the decimal 0.66666... terminating or recurring?

 Circle the correct word.
- 3. Evaluate:

c.
$$(0.5)^2 =$$

4. Evaluate:

- 5. Convert $\frac{4}{5}$ to a decimal.
- Write the following in descending order; (2 marks)
 0.345, 4.12, 0.023, 1.24

- 7. Celia bought a pen for \$1.70, an exercise book for \$2.50, and a pack of coloured pencils for \$4.95. (2 marks)
 - a. Calculate the total cost of her purchase
 - b. What was her change from a \$10 note?
- 8. Petrol costs 139.9 cents per litre. If I put 40 L in my car's petrol tank, how much would I be charged in dollars and cents? (2 marks)

9. Ruth purchased wood to make a planter box for her garden. She purchased 4 pieces of wood that were each 1.2m long and 2 pieces of wood 0.8m long. If the cost of wood was \$8 per metre, what was the total cost of the wood for the planter box?

(3 marks)

Length and Area (26 marks)

1. Match the abbreviation to its unit.

ha

kilometre

km

centimetre

cm

square metre

 m^2

hectare

2. Convert the following;

a.	5 km =	m

- 3. What unit would you use to measure the following?
 - a. Distance between Carlingford and Parramatta.

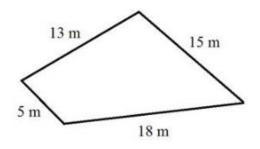
b. Area of a tiled floor in a kitchen.

c. The length of your pencil

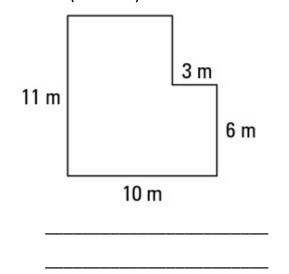
c. The length of your penci

4. Find the perimeter;

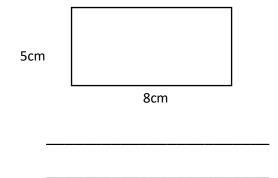
a.



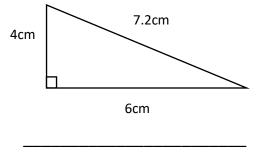
b. (2 marks)

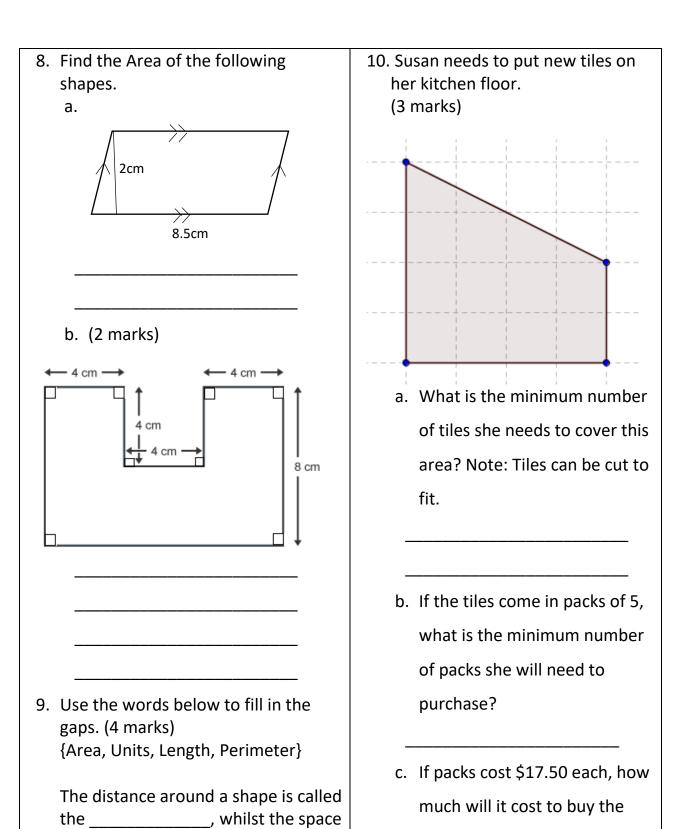


- 7. Find the area of the following shapes.
 - a. A rectangle with a length of 8cm and a width of 5cm.



b. (2 marks)





tiles?

inside a shape is called the

must be the same.

_____. When making _____ and area calculations, the _____

Algebra (127	marks
AISCOI a (\ ~ /	IIIai Ka

1. Fill in the blanks;

{Commutative, Distributive, Substitute, Coefficient, Pronumeral}

- a. _____:- letters that represent numbers.
- b. _____:- A law of arithmetic that says that numbers can be added or multiplied in any order.
- c. _____:- the number at the front of a pro-numeral.
- d. _____:- To replace a variable with a number.
- 2. Choose a pair of like terms.

2xy, -x, 4yx, $2x^2$

- 3. Simplify the following;
 - a. 2x + 5x =_____
 - b. $6x \times 4y =$ _____
 - c. $2ab + a^2 4ab + 2a^2 =$ (2 marks)

- 4. Write an expression for each of the following;
 - a. The sum of x and y.
 - b. The product of 5 and x.
 - c. 5 divided by x.

- d. The cost of n pens at \$1.25 each.
- e. The product of 5 and p, subtracted from 12.

5. If x = 5, y = 2 and z = -3.

Find the value of;

a.
$$x - 5 =$$

b.
$$2y - 5 =$$

c.
$$2z \div y =$$

d.
$$3(x - z) =$$

(2 marks)

6. Expand and simplify;

a.
$$2(x-4) =$$

b.
$$-3(x+2) =$$

7. Expand and simplify; (6 marks)

a.
$$4(x-2) - 2x =$$

b.
$$2x - (x + 3) =$$

c.
$$4(3-2x)-8=$$

Carlingford High School



Mathematics Year 7 Term 3 Test 2018

Name:								
Circle yo	Circle your class below.							
Class:	7C	7A	7R	7L	71	7N	7G	

Time allowed: 50 minutes

- NO Calculators allowed.
- Complete the examination in blue or black **pen**.
- Show all necessary working.
- Attempt all questions.
- Extension questions are marked with an asterisk.

	Decimals	Length and Area	Algebra	Total	
Total	/18	/27	/26	/71	%