



Spring Hill International School

2nd Assessment

Scholastic Year 2020/ 2021

Student's Name:

Class & Section: Grade 6

Teacher's Name: Raghda Ziad

Subject: Math / Checkpoint

Test Duration: 30 mins

Date: 30 / March. / 2021

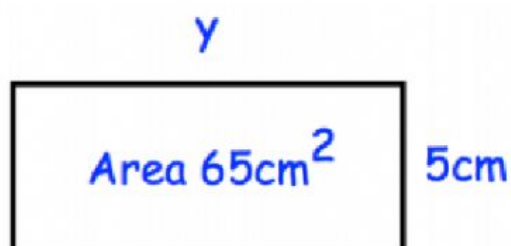
No. of Questions: 7

No. of Pages: 6

Question Number	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Total Mark
Student's Mark								
Question Mark	3	2	3	4	3	2	3	20

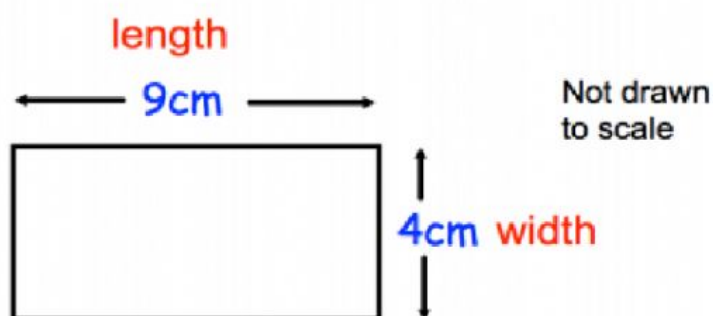
Question no.1: Area of rectangles

- A) The rectangle below has an area of 65cm^2 .



Work out the size of y .

- B) The rectangle below has an area of 36cm^2



The rectangle has length 9cm and width 4cm .

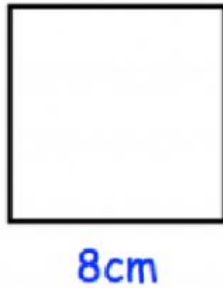
Write down the length and width of **two** other rectangles with area 36cm^2 .

Rectangle 1: lengthcm widthcm

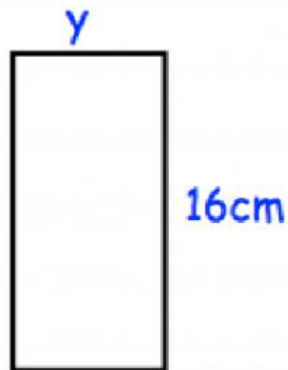
Rectangle 2: lengthcm widthcm

- C) Shown below is a square and a rectangle.

Square



Rectangle

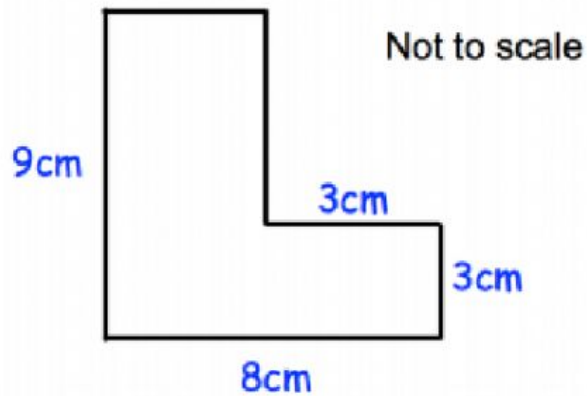


The square and rectangle have the same area.

Find the y .

Question no.2: Area of compound shapes

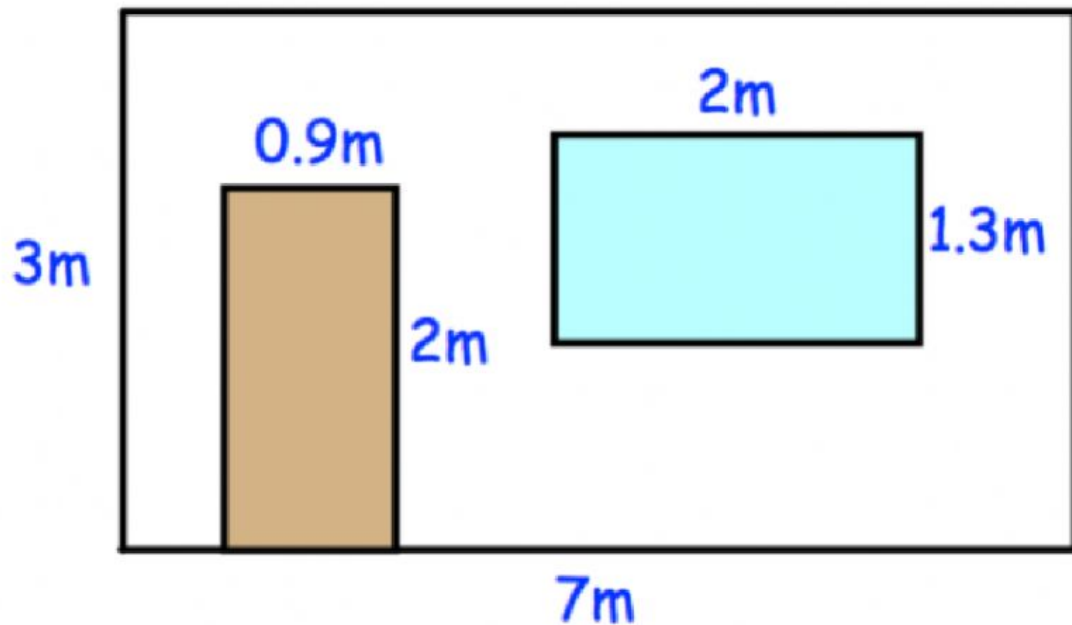
A)



Calculate the area of the shape.

B)

Connor is painting the front of his house.



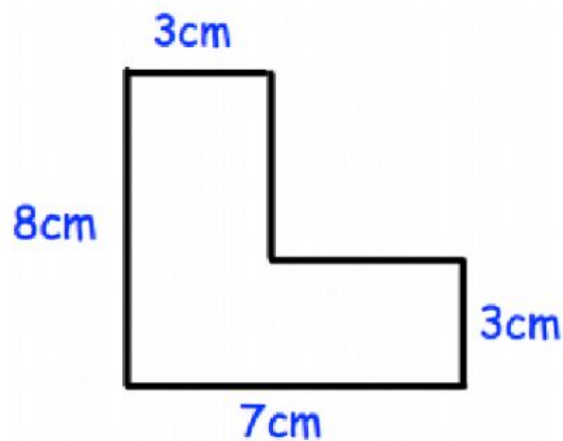
The tin of paint he has can cover 16m^2 .

Will he have enough paint?

You **must** show your workings.

Question no.3: Perimeter

A)



Calculate the perimeter of the shape above.

- B) The perimeter of the rectangle and the square are the same.



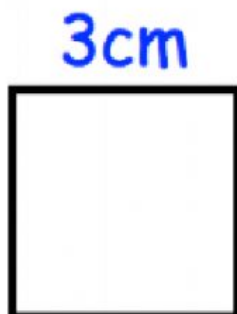
Find the width of the rectangle, x.

- C) Shown below is a rectangle.



Work out the perimeter of the rectangle.
Include suitable units.

- D) Shown below is a square.



Work out the perimeter of the square.
Include suitable units.

Question no.4: Metric Units

A) Complete these conversions

11 m = km

1040 ml = l

7.5 kg = 9

0.0198 t = kg

3.18 m = mm

$$0.4 \text{ l} = \quad \text{l}$$

98 mm = cm

0.5 km = cm

B) Write the missing unit to make correct conversions

3.18 ____ = 318 cm

85 cm = 850 _____

$$4500 \text{ _____} = 4.5 \text{ g}$$

760 ml = 0.76 _____

Question no.5: Formulae

A) If $p = 12$, $q = 6$ and $t = 10$, find the value of :

$$(2p + q) \div t =$$

$$(p + 3q) \times t =$$

B) Omar makes cakes. He uses this formula to work out how many eggs he needs

$$\frac{\text{number of eggs needed}}{\text{number of cakes made}} = 3$$

Use Omar's formula to find how many eggs he needs, to make:

- 7 cakes
- 19 cakes

C) Write a formula for :

- number of days, d , in, y , years
- number of hours, h , in, d , days

Question no.6: Calculations

A) Work out the value of :

$$128 + 47 - 128 =$$

$$1129 + 176 - 8 - 176 =$$

$$4.605 \times 11 \div 11 =$$

$$\sqrt{179^2} =$$

B) Complete each calculation

$$19 + \underline{\hspace{2cm}} - 36 = 19$$

$$93 \times 124 \div \underline{\hspace{2cm}} = 124$$

$$201 \times \underline{\hspace{2cm}} \div 201 = 4.7$$

$$160 + 81 - \underline{\hspace{2cm}} = 160$$

Question no.7: Percentages

A) Write these as percentages

45 \$ of 100 \$ %

130 grams of 200 grams %

B) Find the percentage in each situation

Tina has 40 cups.
10 are dirty .
The percentage of dirty cups
is

A school has 30 teachers.
18 are women .
The percentage of teachers
that are women is