



Spring Hill International School

2nd Assessment

Scholastic Year 2020/ 2021

Student's Name:

Class & Section: Grade 7

Teacher's Name: Raghda Ziad

Subject: Math / Checkpoint

Test Duration: 30 mins

Date: 30 / March. / 2021

No. of Questions: 5

No. of Pages: 3

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

Question no.1: Known facts

A) Using the information that $42 \times 31 = 1302$, Work out :

$$4.2 \times 31 =$$

$$42 \times 62 =$$

$$1302 \div 31 =$$

$$12 \times 3.1 =$$

B) Using the information that $18 \times 9 = 162$, Work out :

$$1/9 \text{ of } 162 =$$

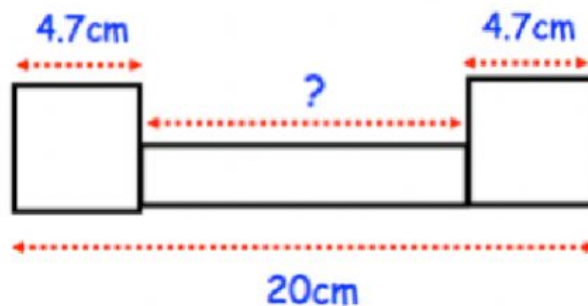
$$1/9 \text{ of } 1620 =$$

$$9/18 \text{ of } 162 =$$

$$\underline{\hspace{2cm}} \text{ of } 162 = 45$$

Question no.2: Operations on decimals

A) Find the length of the rectangle below , give your answer correct to 1 decimal place



B) Work out :

$$27 \times 3.1 + 55.092 =$$

$$57342.75 - 1437.0125 =$$

$$432.1 + 18.7 - 102.31 =$$

$$21.63 \div 7 =$$

$$1.2 \div 5 \times 0.5 =$$

$$0.54 \times 9 = 6 \times 9 \times \underline{\hspace{1cm}} =$$

C) Use each of the digits 1 , 2 , 4 , 7 and 8 only once to make this statement true .

$$0.\underline{\hspace{1cm}}\underline{\hspace{1cm}} - 0.\underline{\hspace{1cm}}\underline{\hspace{1cm}}\underline{\hspace{1cm}} = 0.569$$

Question no.3: Solving Word Problems

A) True or False ? If 4 watermelons weighs 18 kg

16 watermelons weighs 80 kg	True	False
12 watermelons weighs 54 kg	True	False
2 watermelons weighs 9 kg	True	False
40 watermelons weighs 180 kg	True	False

B) Ali can run 1 mile in 7 minutes .

- How far can he run in 30 minutes ,give your answer to 2 decimal places
- How long will it take him to run two and a half miles ?

Question no.4: Substitute in a formulae

A) Find the value of each expression when $a = 4$ and $b = 6$

$$6a + b =$$

$$a^2 - b =$$

$$4b^2 =$$

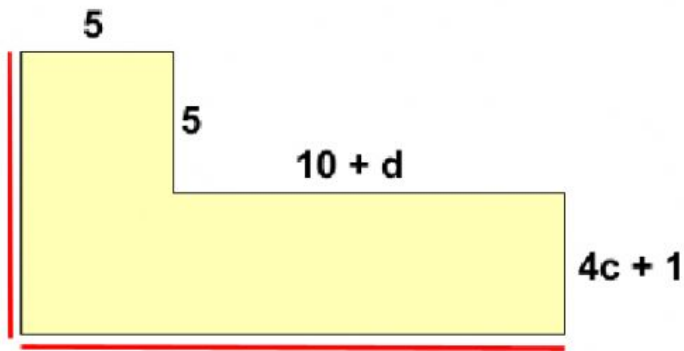
$$ab - a + 10 =$$

B) Use the formula $z = 2w + x^2$, to find :

- z when $w = 3$ and $x = 2$ $z =$ _____
- z when $w = 11$ and $x = 4$ $z =$ _____
- w when $z = 110$ and $x = 10$ $w =$ _____
- x when $z = 90$ and $w = 4.5$ $x =$ _____

Question no.5: Constructing formulae

A) Write a formula to calculate the perimeter , P , of this shape :



* Use your formulae to calculate the perimeter when $c = 2$ and $d = 8$

B) Each block of the pyramid is complete by adding the 2 bloks below.
Complete the pyramid to by collecting the like terms :

