**THE SWISS INTERNATIONAL**

**SCIENTIFIC SCHOOL OF DUBAI**

ASSESSMENT

**ENTRANCE INTO GRADE 9**

Time: 1 hour

**No Calculator**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**No calculator**

***Just try your best. Try to answer all the questions to the best of your ability.***

1. Calculate the following

a.

b.

c.

1. Calculate the following and show your work.

a.

b.

c.

d.

1. Calculate the following:

a.

b.

c.

1. Kareem got 13 out of 25 questions on his math test correctly. What is his percentage mark?

1. If you have $0.30 in 5 cents and $0.70 in 10 cents, how many coins do you have?
2. If what is the value ?
3. Simplify:
4. What is the simplified algebraic expression for the perimeter of the rectangle?



1. What is the algebraic expression for that represents this sequence?

(Let *x* represent the term number.)

7, 11, 15, 19…….

1. A fishing permit costs $15. Each hour of fishing costs $3.

*h* : number of hours fishing

*C* : total cost

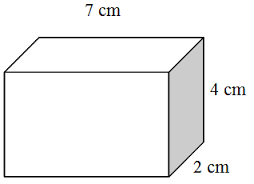
Write the rule as an algebraic equation for this relation.

1. Simplify:
2. Find the mean (moyenne, durchschnittlich) for the following data.

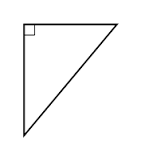
2, 4, 7, 4, 3, 12, 24

Mean:

1. Find the Surface area of the following 3D shape.



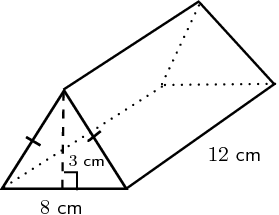
1. What is the length of the hypotenuse?



8 cm

6 cm

1. Find the Volume of the following 3D shape.



120 mm

1. Find the probability of rolling a 2 or a 3 on a 6 sided dice.