

Alavi

21st Century Schools



Math

Subtitle

Order of operation

Look at this expression

Which one is correct?

$$18 - 13 + 2 =$$

1st 



subtract first

$$18 - 13 = 5$$



2nd



$$5 + 2 = 7$$

Then add

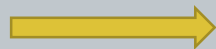


1st



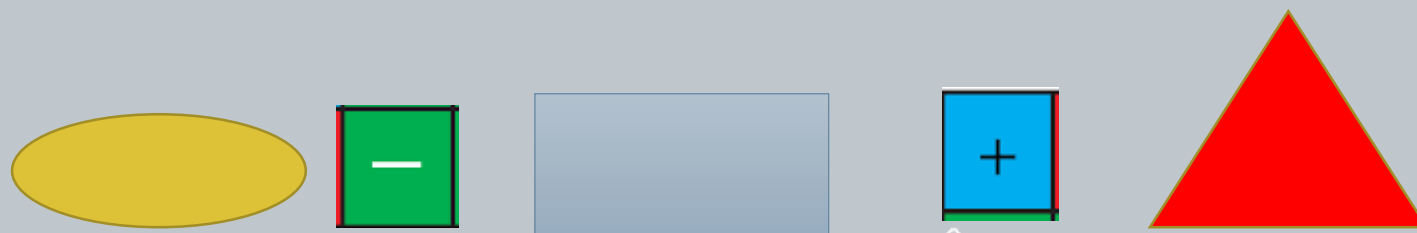
$$13 + 2 = \triangle$$

2nd

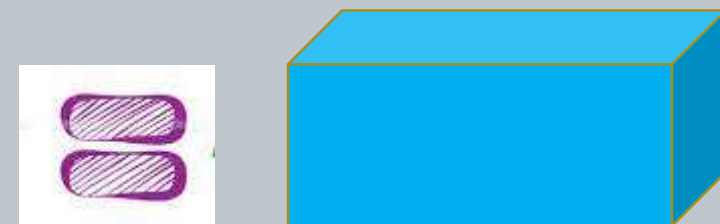
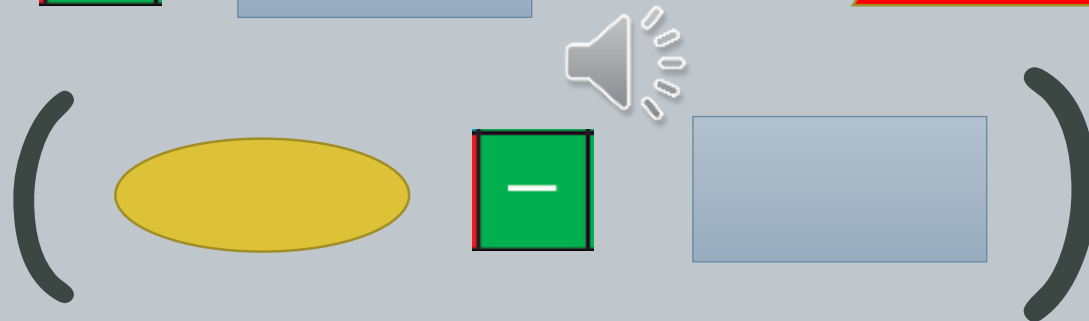


$$18 - \triangle$$

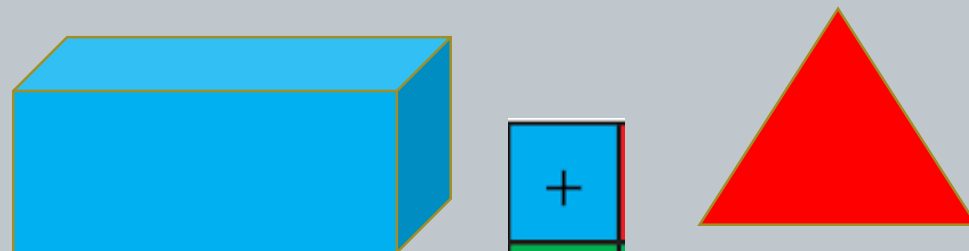
Rules :



Subtract fist



Then add



What about this one?

$$18-6 \div 3=16$$

1st 

Divide first

$$(6 \div 3)$$



or

1st

$$(18-6) \times$$

Then subtract

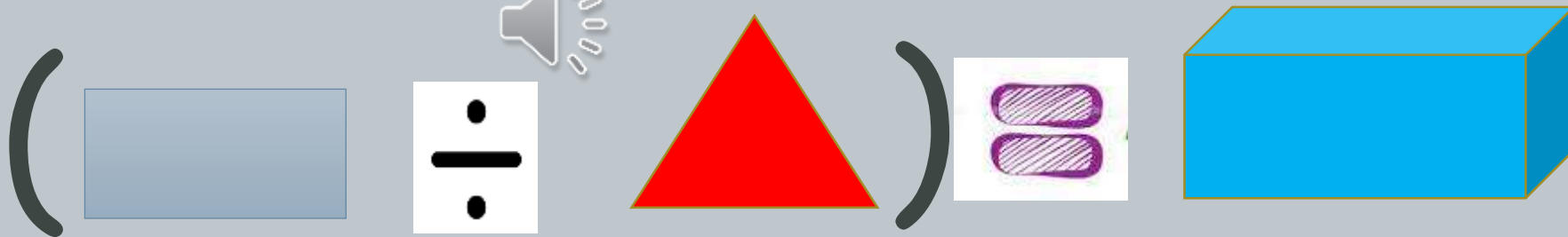


$$18-2=16$$

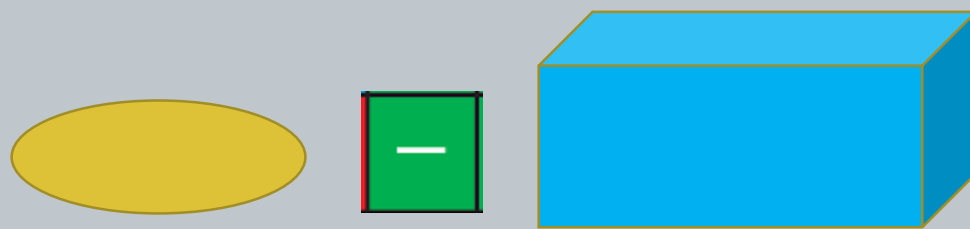
Rules :



Divide fist




Then subtract



Let's evaluate this one


$16-14 \div 2 =$ 1st $(16-14)$ 

or

1st $(14 \div 2)$ 

Divide first

Then subtract

 $16-7=9$

Look at this expression

$$7 \times (4 + 8)$$

What will you do first?



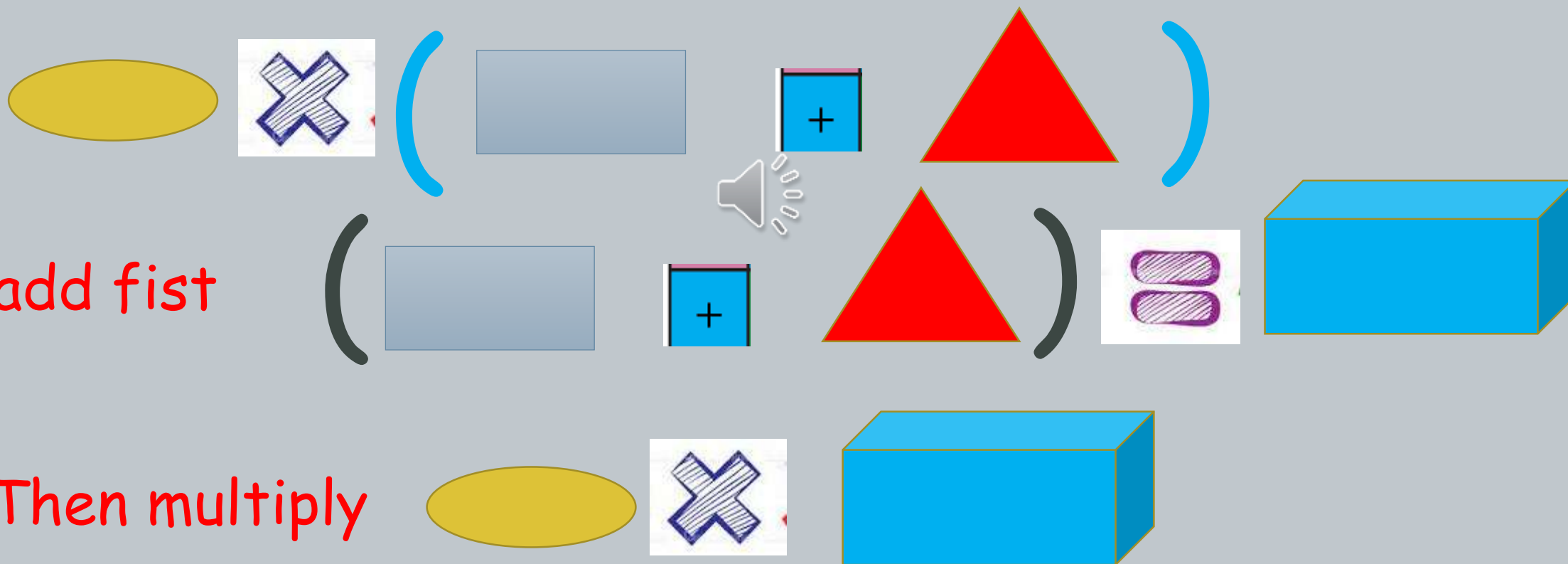
Yes

bracket

$$\text{first } (4 + 8) = 12$$

Then $7 \times 12 = 84$

Rules :






The order of operations is :
Brackets
Multiply and **D**ivide
Add and **S**ubtract

Evaluate each expression.
Use the order of operations.

$$a) 18 + 4 \times 2 =$$

$$b) 25 - 12 \div 3 =$$
 

$$c) 24 + 36 \div 9 =$$

$$d) 12 - 8 - 4 =$$

$$e) 50 - 7 \times 6 =$$

$$f) 7 \times (2 + 9) =$$

$$g) 81 \div 9 - 6 =$$

$$h) 25 \div (9 - 4) =$$

$$i) 13 - 6 + 8 =$$

$$j) (6+9) \div 3 =$$

$$k) 19+56 \div 8 =$$

$$f) 8 \times (12-5) =$$

Monsieur Lefèvre bought 2 boxes of fruit bars for his 3 children.

Each box has 6 fruit bars.

The children shared the fruit bars equally.

How many fruit bars did each child get?

Write an expression to show the order of operations you used.



$$(6 \times 2) \div 3 =$$



Now it's your turn

Copy each number sentence.

Use brackets to make each number sentence true.

a) $36 \div 4 \times 3 = 3$

b) $20 \div 5 \times 2 + 3 = 5$

c) $10 - 4 \div 2 - 1 = 6$

d) $6 \times 2 + 8 \div 4 = 15$

Thank you