cards c	et of printing greeting consists of a fixed charge	
5 cents Which c can be	cents and a charge of for each card printed. If the following equations used to determine the cost thing n cards?	Markhamata'a a maadada ka
А	cost = (100 + 6n) cents	Mathematics needed to answer this question was taught:
В	cost = (106 + n) cents	this year before
С	cost = (6 + 100n) cents	never
D	cost = (106n) cents	Calculator used: yes
E ##	cost = (600n) cents	no
³ m ÃÄÄ ³ n	ÄÂÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ 1	
	e table shown, a formula ould relate m and n is	
A	n = m	Mathematics needed to answer this question was taught:
В	$n = 3m$ $n = -m\acute{y} + 1$	this year before never
D	$n = m\acute{y} + 1$	Calculator used:
E ##	n = 2m + 1	yes no
Ellen, younger	4 years older than and Ellen is 11 years than Monica. Monica rears old. How old is	
A	3 years	Mathematics needed to answer this question
В	5 years	was taught: this year before
С	14 years	never
D	19 years	Calculator used:
E	27 years	yes

##

```
[ Picture ]
In the above rectangle the
measure of \grave{A} ROQ is
[ Note: the character \grave{A} denotes the character for an angle ]
                                                         Mathematics needed to
   A
         23ø
                                                         answer this question
                                                         was taught:
   В
         45ø
                                                           this year
                                                           before
   С
         46ø
                                                           never
   D
         54ø
                                                         Calculator used:
                                                           yes
   Ε
         67ø
                                                           no
##
## 5
   [ Picture ]
The figure above shows a rectangular
box. Which of the following is
closest to the volume of this box?
             3
   Α
         16 cm
           3
         18 cm
   В
                                                         Mathematics needed to
                                                         answer this question
             3
                                                         was taught:
         28 cm
   С
                                                           this year
                                                           before
           3
                                                           never
         36 cm
    D
                                                         Calculator used:
             3
                                                           yes
         48 cm
   Ε
                                                           no
##
   [ Picture ]
-> ->
u and v are two vectors.
Which figure below represents
-> ->
u - v ?
                                                         Mathematics needed to
   A [Figure]
                                                         answer this question
                                                         was taught:
   B [Figure]
                                                           this year
                                                           before
```

## 4

С	[ Figure ]	never
D	[ Figure ]	Calculator used: yes
E ##	[ Figure ]	no
and 74, 82 and	three test scores of 78, 76 while Mary had scores of 72, 74. How did Joe's average with Mary's?	Mathematics needed to
А	Joe's was 1 point higher	answer this question
В	Joe's was 1 point lower	was taught: this year before
С	Both averages were the same	never
D	Joe's was 2 points higher	Calculator used:
E ##	Joe's was 2 points lower	yes no
## 8 [ P	icture ]	
move a then tu point P and mov	e you start at point $M(-1,-1)$ , distance of one unit to $N(-1,-2)$ , are left and move one unit to the $P(0,-2)$ . If you again turn left we one unit, you will now be at ant with coordinates	
А	(1, -2)	Mathematics needed to answer this question
D	(0, -3)	was taught: this year
С	(0, -1)	before never
D	(-1, -2)	Calculator used:
E ##	None of the above	yes no
## 9 [ P	cicture ]	
PQT an	rure QRST is a square and equilateral triangle. If cm then the area of the is	
A		Mathematics needed to
В	64 cmý 48 cmý	answer this question was taught: this year
		before
С	40 cmý	never

D	36 cmý		Calculator used: yes
E ##	24 cmý		no
## 10 There a	are 35 students in a		
class.	1 - of them come to 5		
	by bus, another - 5		
come by	bicycle. How many		
come to	school by other means?		Mathematics needed to
А	7		<pre>answer this question was taught:</pre>
В	14 21		this year before never
D	28		Calculator used:
E ##	35		no
	of the points A, B, C, D, E number line corresponds		
<ÄÅ	³ A B C D E .ÄÅÄÅÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ		
	3 O	³ 1	
A B C	<pre>point A point B point C</pre>		Mathematics needed to answer this question was taught:    this year before never
D	point D		Calculator used:
E ##	point E		yes no
## 12	АВ		

ÃÄÄÄÄ

## 1 unit

## 

The len	ÄÄ gth of AB is 1 unit.	
Which i	s the best estimate	
for the	ÄÄ e length of PQ ?	
А	2 units	Mathematics needed to answer this question
В	6 units	was taught: this year before
С	10 units	never
D	14 units	Calculator used: yes
E ##	18 units	no
## 13 [ P	dicture ]	
Lines	AB and CD are parallel. sles whose measures must add up	
_	the character À denotes character for an angle ]	
А	À 1 and À 3	Mathematics needed to answer this question was taught:
В	À 4 and À 6	this year before
С	À 2 and À 5	never
D	À 2 and À 7	Calculator used:
E ##	À 1 and À 8	yes no
	of these is the name of a sigure, each of whose faces	
A	cube	Mathematics needed to answer this question
В	pyramid	was taught: this year
С	tetrahedron	before never
D	hexagon	Calculator used: yes
E	cylinder	no

## 15

A student's solution to the problem

$$= \frac{(-2) \times 3 \times 5}{5 \times (-2) \times 6}$$
 (i)

$$= \frac{(-2) \times 3 \times 5}{(-2) \times 6 \times 5}$$
 (ii)

$$= 1 \times - \times 1$$
 (iii)

Check the student's work and decide it there are any errors. In which line does any error FIRST APPEAR?

- A line (i)
- B line (ii)
- C line (iii)
- D line (iv)
- E There is no error.
  The work is correct.

##

## 16

20% of 125 is equal to

- A 6.25
- B 12.50
- C 15
- D 25
- E 50

##

## 17

2 3 n

Math	.ema	atics	needed	to
answ	er	this	questic	n
was	taı	ıght:		
+ h		770 2 2		

this	year	
befor	ce	
never	-	

Calculator used:

yes	
no	

Mathematics needed to answer this question was taught:

this year	r
before	
never	

Calculator used:

yes	
no	

If equ	10 x al to	10 = 10 then n is	
	A	4	Mathematics needed to answer this question was taught:
	В	5	this year
	С	6	before never
	D	8	Calculator used: yes
##	E	9	no
##	18 [ Pic	ture ]	
a t P'Q	ransfo 'R'S',	rectangle. Its image after rmation is the rectangle as shown above. The trans-used could have been	
	A	a rotation about the origin	Mathematics needed to
	В	a reflection in the y-axis	answer this question was taught:
	С	a translation parallel to the x-axis	this year before never
	D	a reflection in the x-axis	Calculator used:
##	E	translation parallel to the y-axis	yes
##			
mos The fol	t popu way o lowing	to know whether SLOSH is the lar soft-drink in your schooL. f finding out, from among the , which will give results you st sure of, will be to	
You mos The fol	wish t popu way o lowing	lar soft-drink in your schooL. f finding out, from among the , which will give results you	
You mos The fol	wish t popu way o lowing be mo	lar soft-drink in your schooL.  f finding out, from among the , which will give results you st sure of, will be to  note the number of empty SLOSH	
You mos The fol	wish t popu way o lowing be mo	lar soft-drink in your school.  f finding out, from among the , which will give results you st sure of, will be to  note the number of empty SLOSH bottles in the trash cans.  ask the manager of the snack bar how many cases of SLOSH he has	Mathematics needed to answer this question was taught:
You mos The fol	wish t popu way o lowing be mo A	lar soft-drink in your school.  f finding out, from among the , which will give results you st sure of, will be to  note the number of empty SLOSH bottles in the trash cans.  ask the manager of the snack bar how many cases of SLOSH he has ordered in the last month.  ask your friends whether they think that SLOSH is the most popular	

The rectangle shown above is cut along the dotted lines and the three parts put together, without overlapping, to give the figure

shown below.

no

	[ Pic	ture ]	
	area s figu	in square centimeters of re is	
	A	8 cm2	Mathematics needed to answer this question
	В	10 cm2	<pre>was taught:    this year    before</pre>
	С	12 cm2	never
	D	12 cm2	Calculator used: yes
##	E	16 cm2	no
##	24 [ Pic	ture ]	
bу	a trac	shows the distance traveled tor during a period of 4 hours. is the tractor moving?	
	A	1 kilometer per hour	Mathematics needed to answer this question
	В	2 kilometers per hour	was taught: this year before
	С	4 kilometers per hour	never
	D	8 kilometers per hour	Calculator used: yes
##	E	There is not enough information	no
##	25 [ Pic	ture ]	
	t is t allelo	he area of the above	
_	А	30 cm2	Mathematics needed to answer this question
	В	36 cm2	<pre>was taught:   this year   before</pre>
	С	48 cm2	never
	D	60 cm2	Calculator used: yes
##	E	80 cm2	no
##	26 [ Pic	ture ]	
	of th y are	ese triangles are similar.	
	A	P and R	Mathematics needed to answer this question

			was taught:
	В	P and S	this year
			before
	С	R and S	never
	D	Q and R	Calculator used:
	_	0 1 0	yes
##	Ε	Q and S	no
ππ			
## 105 -86	5		
	А	189	Mathematics needed to answer this question
	В	199	was taught: this year
	С	211	before never
	D	289	Calculator used:
##	E	299	yes no
ill	ustrat	of the following diagrams es the statement, "Set S et of set T"?  [ Figure ]  [ Figure ]  [ Figure ]  [ Figure ]	Mathematics needed to answer this question was taught:    this year before never  Calculator used:    yes no
## Whe	29 n x =	7x + 4 2, is equal to 5x - 4	
	A	11	
	В	3	
	С	11  5	Mathematics needed to answer this question was taught:
	D	9 - 5	this year before

Е	7 <del>-</del> 5	Calculator used:  yes  no
##		
x-coor T is t y-coor	is the see of points with rdinate greater than 3, and the set os points with rdinate greater than 6, which e following is a member of	
А	(4,8)	Mathematics needed to answer this question was taught:
В	(7,4)	this year before
С	(2,8)	never
D	(4,4)	Calculator used: yes
E ##	(2,4)	no
	I istance between two towns is ly measured in millimeters centimeters	Mathematics needed to answer this question was taught:  this year before
С	decimeters	never
D E	meters kilometers	Calculator used:  yes  no
##		
	2 equation is true for ALL s of n?	
А	2 + n = n + 2	Mathematics needed to answer this question
В	3 + n = 4 + 2	was taught: this year before
С	n + 1 = 1	never
D	2n + 1 = n	Calculator used: yes
E ##	n + 3 = 3n	no

		the following is equal to of a million?			
	A	25,250	Mathematics needed to		
	В	40,000	answer this question was taught:		
	С	1  4,000,000	this year before never		
	D	250,000	Calculator used: yes		
##	E	2,500,000	no		
## 34 [ Picture ]					
Three straight lines intersect as shown in the diagram. What is x equal to ?					
	A	30	Mathematics needed to answer this question was taught: this year before		
	В	50			
	С	60	never		

Calculator used:
yes
no

D 110

E 150

##