1
Consider the following reasoning:

(i) 1 > 0
(ii) therefore 2 > 1
(iii) therefore 2 x (-1) > 1 x (-1)
(iv) therefore -2 > -1

The error, if any, in this reasoning
FIRST APPEARS in

A line (i)
B line (ii)
C line (iii)
D line (iv)
E None of the above -- there is no error in this reasoning.

##
None of the above--there is
no error in this reasoning.

^~e (!~onzhs)
Zhe weight gain ersm 6 to 10 months
'V25
3s

On a number line two points A and B are given. The coordinate of A is -3 and the coordinate of 3 is +7. What is the coordinate of the point ~~. if 3 is the midpoint of the line segment AC?

A -13

B l
2
5 +v

D +12

E +17

4.

.004)24.56

In the division above, the correct answer is

How many pieces of pipe each 20 meters long would be required to construct a pipeline 1 kilometer in length?

69

What is the capacity of a cubic container 10 cm by 10 cm by 10 cm?

A 1 liter

10 liters

100 liters

1000 liters

1000 centimeters

/' If two triangles are SIMILAR, which of the following statements is TRUE?

Their corresponding angles MUST be congruent.

Their corresponding sides MUST be congruent.

Their corresponding sides MUST be parallel

They MUST have the same area

They MUST have the same shape and size

A team scores an average of 3 points per game over 5 games. How many points altogether were scored in the 5 games?

A 3

B 3

C 3

D 5
E 15

91

Which of the following is
(are) TRUE?

I (53 x 73) x 17 = 53 x (73 x 17)

II 133 x (78+89) = (133 x 78) + 89

III 133 x (78+89) = (133 x 78) + (133 x 89)

A I only

B II only

C III only

D I and II only

E I and III only

There are 7,000,000 girls under the age
of 21 in a country with a total
population of 36,000,000. If a circle
graph were drawn showing the
distribution of the population, the
angle in the sector representing girls
under the age of 21 would have measure

A 7¡

B 20¡

C 21¡

D 70¡

E 72¡

p. ~~

The length of a box was measured
and found to be 9 centimeters TO
THE NEAREST CENTIMETER. Which of
these could have been the length
of the box measured more accurately.

A 10 cm

B 9.9 cm

C 9.62 cm

D 9.6 cm

E 8.6 cm

L3.

In a discus-throwing
competition, the winning
throw was 61.60 meters. The
second place throw vas 5,¡.72
meters. How much longer was
the winning throw than the
second place throw?

A 1.12 meters

3 1.88 meters

C 1.92 meters

3 2.12 meters Calc~~dator
used:
v 121.32 meters yes
no

;'

o

¥
(2,7)

¥(1,4) ¥(6,4)

¥
(2,3)

nhe straigAt line joining the
Taught:
?¡intS (2,3) and (2,7) zuts the
straight line j oining tne points
(1,4) and (6,4) at the point

A (4,2)
3 (1,4) Calculator used:
C (1,3) yes
D (2,3) no
E (2,4)

14.

mhe petals on 100 flowers OI' different zinds were careffflly counted, and the results are shown in this table.

No. of petals	Frequency
10-12	5
13-15	22
16-18	48
19-21	18
22-24	7

How many of the flowers had FEWER than 19 petals?

A 48
B 52
C 73
D 75
2 93

~~.

If z = y = z = 1, then - ffly is equal to

A -2

3 -1

C O

2

1

'6.

D.

12- ~ 21 is
equal 'o

A t
3

B ~~~ | 6)

C 1Ñ

: 17

_

_I' y = 2- - 5 and z = 2, then

y is equal
to

9

3 s

C 1
_ _

E -6

18.

c

Which of the indicated angles
is ACUTE?

P ~~ 150¡ ___-~4' "

If, in the given figure, PQ
and R: are intersecting
straight lines, then z + y is
equal to

A 15

B 30

C 60

D 180

E 300

In a school election with three
csndidates, Joe received 120
votes. tflary received 50 votes,
and George received 30 votes. What
percent of the total n=niDer of
votes did Joe
receive? ~

A 1O %

B 40%

C 60^

D 80g

E 120¢

The svmbol P n Q represent3 the
intersection of sets P and Q and
the symbol P U Q represents the
union of sets P and Q. Which of
the folloving represents the
shaded portion of the diagran
below?

(I! n ~~8) n 1t

õ: (p tt,0 ,,^) n ri

~~ ~~

3 < \

_n -'r.e above liagra~~-.,
triangles A3C and DEF are
congruen:, with 3C = r.
What is the measure of
angle ~~GC?

A 20¡

B 40¡
C oG¡
D 80¡
E 100¡

C 3 E F

Ir' the triangles asove are
congruent ana mLA = mLD = 83¡, mLC
= 51¡ and A3 - DF, which of
these is TRUE?

A mLF = SG¡ and iD ~~~s 6 units
long

3 mLF = 19¡ ana FD is 6 units
long

C mLF = 49¡ and rF is 5 units
long

D mLF = 51¡ and ED is 6 units long

E mLF = 51¡ and FD is 6 units long

271

In a quadrilateral, two of the angles each have measure of 110¡, and the measure of a third angle is 90¡. 'What is the measure of the remaining angle?

A 50¡

B 90¡

C 130¡

D 140¡

E None of the above

"Six times a certain number (car it q) equals the sum of eight and twice the nwmber." shis can be written as

A 6q = 258 + q)

3 6(q + 8) = 2q

C 6(q + 8) = 8 + 2q

D 6q = 8 + 2q

Each of the small squares in the figlre is 1 square unit. Which is the best estumate of the area of the shaded region?

A 10 square units Calculator used:

3 12 square ~~~nits yes

C i4 square units

D 16 square units

E 18 square units

~~.

- s equal to

A 75

3 70

C 65

D 60

E 40

31s

Peter and Paul decided to start saving money. Peter can save 3 dollars each month sQd Paul can save 5 lollar3. At this rate, after how many mcnths will Paul have ex3ctly 10 dollars more than Peter?

A 2

3 3

C 4

D 5

E 8

If t = -3, the value of -3= is

A _g

B -6

C -1

D 1

E 9

tVhich of the following equals

22 < 7 is equivalent to