

$$3 + 1 + 6 = ?$$

A) 6 B) 7 C) 8 D) 9 E) 10

Problem Solving Questions D

by Julie Roy

How many odd number are there between 19 and 31?

A) 4 B) 6 C) 5 D) 7 E) 8

Problem Solving Questions D

by Julie Roy

Which of the following is false?

- A)  $139 > 118$
- B)  $353 > 352$
- C)  $356 < 488$
- D)  $637 < 899$
- E)  $400 < 398$

Problem Solving Questions D

by Julie Roy

How many 2-digit natural numbers are there?

- A) 80
- B) 100
- C) 89
- D) 90
- E) 91

Problem Solving Questions D

by Julie Roy

$$2 + 7 + 3 + 8 = ?$$

- A) 18      B) 20      C) 21      D) 10      E) 19

Problem Solving Questions D

by Julie Roy

$$(1 + 2 + 3 + 4 + 5) - (4 + 3 + 2 + 1) = ?$$

- A) 6      B) 3      C) 4      D) 5      E) 2

Problem Solving Questions D

by Julie Roy

The one's digit of the sum of  $3 + 5 + 7 + 9$  is

- A) 4    B) 5    C) 24    D) 2    E) 3

Problem Solving Questions D

by Julie Roy

If you add 1 hundred + 2 tens + 26 ones to the number 121, the result will be:

- A) 266    B) 270    C) 269    D) 268    E) 267

Problem Solving Questions D

by Julie Roy

The number of seconds in 2 minutes is

A) 120 B) 180 C) 60 D) 30 E) 90

Problem Solving Questions D

by Julie Roy

The next number in the sequence:  
30 ,25 ,21,18, 16 ,...is

A) 12 B) 15 C) 14 D) 11 E) 13

Problem Solving Questions D

by Julie Roy

Which number is a multiple of 4?

A)18    B)24    C)34    D) 14    E) 23

Problem Solving Questions D

by Julie Roy

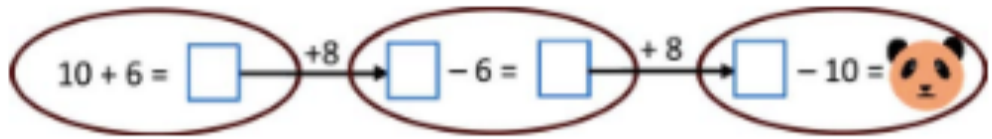
Which number is seven more than thirteen?

A)22    B)18    C)21    D) 19    E) 20

Problem Solving Questions D

by Julie Roy

What number is hidden behind the panda?



- (A) 16      (B) 18      (C) 20      (D) 24      (E) 28

Problem Solving Questions D

by Julie Roy

How many triangles (of any size) are there in the figure?



- (A) 2 (B) 6 (C) 7 (D) 8 (E) 9

Problem Solving Questions D

by Julie Roy

In the table, correct sums are shown. Ink was spilled over some of the table. What is the result in the box with the question mark?

	+	11	7	2
6		17	13	8
			?	11

- (A) 10 (B) 12 (C) 13 (D) 15 (E) 16

Problem Solving Questions D

by Julie Roy

A five-digit number has four equal digits and the sum of the digits is 43. Which one is the different digit?

- (A) 1 (B) 3 (C) 5 (D) 7 (E) 9

Problem Solving Questions D

by Julie Roy



$$\bullet + \bullet + \bullet + \bullet + \blacksquare = \blacksquare + \blacksquare + \blacksquare$$

Imagine that the circles represent the same number and the same is true for the squares. Which one is true?

(A)  $\bullet = \blacksquare$

(B)  $\bullet + \bullet + \bullet = \blacksquare$

(C)  $\blacksquare + \blacksquare + \blacksquare = \bullet$

(D)  $\blacksquare + \blacksquare = \bullet$

(E)  $\bullet + \bullet = \blacksquare$

Problem Solving Questions D

by Julie Roy

Balloons are sold in packs of 5, 10 and 25.  
Marius buys exactly 70 balloons. What is the smallest number of packs he could buy?

(A) 3 (B) 4 (C) 5 (D) 6 (E) 7

Problem Solving Questions D

by Julie Roy

There is a tournament at the pool. First 13 children signed up and then another 19 signed up. Six teams with an equal number of players are needed for the tournament. At least how many more children need to sign up so that the six teams can be formed?

- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

Problem Solving Questions D

by Julie Roy

David wants to cook 5 dishes on a stove with only 2 burners. The times needed to cook the 5 dishes are 40 min, 15 min, 35 min, 10 min and 45 min. What is the shortest time in which he can do it? (Once he starts cooking a dish, he may remove it from the stove only when it is cooked.)

- (A) 60min (B) 70min (C) 75min (D) 80min  
(E) 85min

Problem Solving Questions D

by Julie Roy