

Round 1- Question 1

On a 40 question test Joe got 80% of the questions right and Amy got 90% of the questions right. How many more correct answers did Amy get than Joe?

\_\_\_\_\_

School Code

Answer

Round 2 – Question 1

Find the sum of all the prime numbers between 0 and 10.

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School Code

Answer

Round 1 – Question 2

Find the positive difference between the perimeter and area of a rectangle with sides of length 12 and 15.

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School Code



Answer

Round 2 – Question 2

The area of a square is  $144 \text{ ft.}^2$ . How many feet are in the perimeter of the square?

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School Code



Answer

Round 1- Question 3

If  $a \diamond b$  means  $a^b - b$ , find  $2 \diamond 5$ .

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School Code

Answer

Round 2 – Question 3

150% of 40 plus 200% of 70 minus 40% of 25?

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School Code

Answer

Round 1- Question 4

A palindrome is a number that reads the same backward or forward. For example, 12321 is a palindrome. What is the next largest palindrome after the number 63336?

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School Code

Answer

Round 2 – Question 4

There are nine pieces of paper in a bowl numbered 1 through 9. Peter first removed all the numbers that divide 36 evenly. He then removed all the pieces of paper that contained a prime number. What is the number on the piece of paper that is still in the bowl?

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School Code

Answer

Round 1- Question 5

Wes saves a quarter a day. In 16 weeks, how many dollars can he save?

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School Code

Answer

Round 2 – Question 5

The average of four numbers is 20. The average of these same four numbers and 15 is \_\_\_\_\_.

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School Code

Answer

Round 1- Question 6

There are 87 students in a bicycle race. There are twice as many girls as boys. Five boys are wearing glasses. How many boys in the race are not wearing glasses?

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School Code

Answer

Round 2 – Question 6

If  $a \text{ ☺ } b = 9b - 5a$ , find  $(6 \text{ ☺ } 3)$ .

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School Code

Answer

Round 1- Question 7

What is the tenth term in the pattern?

2, 4, 8, 16, 32 ...

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School Code

Answer

Round 2 – Question 7

Mary has eight more Pokemon cards than Max. Max has twice as many Pokemon cards as Matt. Matt has thirty-seven Pokemon cards. How many cards do they have all together?

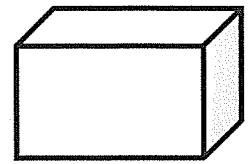
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School Code

Answer

Round 1- Question 8

Find the volume in cubic *inches* for a box that is  $\frac{1}{4}$  yard by 1 foot by 4 inches.



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School Code

Answer

Round 2 – Question 8

Of 80 people, 47 have brown hair, 33 have brown eyes, and 25 have both brown hair and brown eyes. How many have neither brown hair nor brown eyes?

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School Code

Answer

### Practice Question

In 30 years, Susan will be three times as old as her age now. How old will she be then?

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School Code

Answer

### Tie Breaker #1

Which of these numbers is not evenly divisible by 3?

555   264   193   747

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School Code

Answer

## Answers

	Round1	Round2
1.	4	17
2.	126	48
3.	27	190
4.	63436	8
5.	28	19
6.	24	-3
7.	1024	193
8.	432	25
TB1	193	
TB2		
Practice	45	