

Round 1- Question 1

How many two-digit prime numbers have a units digit of 7?

School Code

Answer

Round 2 – Question 1

If a set of seven positive integers has a mean of 5, what is the greatest possible integer in the set?

School Code

Answer

Round 1 – Question 2

Carla has 12 more dolls than Marla. Marla has twice the number of dolls that Darla has. Darla has 15 dolls. How many dolls do the 3 girls have together?

School Code

Answer

Round 2 – Question 2

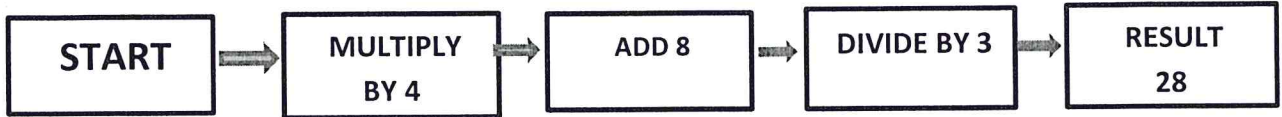
A quiz has only 3-point and 4-point questions. The best possible score is 100 and there are 29 questions. How many 4-point questions are there?

School Code

Answer

Round 1- Question 3

What number in the “start” box will yield the result of 28?



School Code

Answer

Round 2 – Question 3

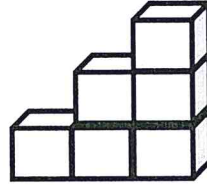
Jeff has $\frac{1}{2}$ of a pizza left in the fridge. At breakfast he ate $\frac{1}{3}$ of it. What fraction of the original pizza does he have left for lunch?

School Code

Answer

Round 1- Question 4

It takes 6 cubes to build a staircase with 3 steps. How many cubes will be needed for one with 11 steps?



School Code

Answer

Round 2 – Question 4

Every birthday of my life, I put as many pennies in a jar as my age in years. I now have \$1.20 in the jar. How old am I?

School Code

Answer

Round 1- Question 5

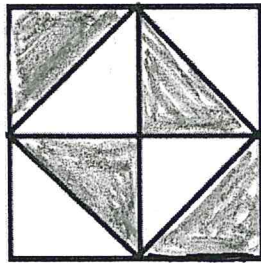
Your brother traveled 117 miles in 2.25 hours to come home for his school break.
What is the average speed that he was traveling?

School Code

Answer

Round 2 – Question 5

A square with a perimeter of 32 is divided into 8 identical triangles, as shown.
What is the sum of the areas of the 4 shaded triangles?



School Code

Answer

Round 1- Question 6

The sum of the **digits** of all positive primes less than 20 is?

School Code

Answer

Round 2 – Question 6

If 2 pears weigh as much as 3 peaches, and 2 peaches weigh as much as 30 grapes, then _____ pears weigh as much as 90 grapes.

School Code

Answer

Round 1- Question 7

P and Q represent numbers and $P \diamond Q$ means $\frac{P+Q}{2}$. What is the value of

$3 \diamond (6 \diamond 8)$?

School Code

Answer

Round 2 – Question 7

X and Y are two different numbers selected from the first 50 counting numbers 1 to 50 inclusive. Find the largest value of

$$\frac{X + Y}{X - Y}$$

School Code

Answer

Round 1- Question 8

A woman spent $\frac{2}{3}$ of her money. She lost $\frac{2}{3}$ of the remainder and then had \$4 left. How much money did she start with?

School Code

Answer

Round 2 – Question 8

My age this year is a multiple of 7. Next year it will be a multiple of 5. I am more than 20 but less than 80. How old will I be 6 years from now?

School Code

Answer

Tie Breaker #1

Multiply five hundred twenty-three by four and seventy-nine hundredths.

School Code

Answer

Tie Breaker #2

For the set of numbers {1, 2, 2, 4, 5, 5, 5, 6, 8, 8, 9, 9}

Let M = the mean

Let A = the mode

Let T = median

Let H = the range

Find the range of M, A, T and H.

School Code

Answer

Practice Question

$$5 + 18 \div 2 + 3 \times 6 - 2 =$$

School Code

Answer

Answers

	Round1	Round2
1.	5	29
2.	87	13
3.	19	1/3
4.	66	15
5.	52	32
6.	41	4
7.	5	99
8.	36	55
TB1	2505.17	
TB2	3	
Practice	30	