

Round 1- Question 1

Simplify:  $(36 \div 4 \times 9) + (36 \div 9 \times 4)$ .

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School Code

Answer

Round 2 – Question 1

A bag contains 32 marbles: 7 red, 9 blue, and the rest white. What is the probability of blindly drawing a white marble?

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School Code

Answer

Round 1 – Question 2

A square has the same side length as a regular hexagon with a perimeter of 45 in. What is the perimeter of the square?

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School Code

Answer

Round 2 – Question 2

A semicircle has a diameter of 20 cm. What is its area? (use 3.14 for  $\pi$ )

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School Code

Answer

Round 1- Question 3

What is the sum of the range and mode of these scores:  
75, 86, 94, 72, 86, 86, 97, 83, 90

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School Code

Answer

Round 2 – Question 3

What is the product of the range and median for {19, 12, 15, 21}?

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School Code

Answer

Round 1- Question 4

A recipe uses 2 cups of flour to make one dozen brownies. How much flour is needed to make 30 brownies?

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School Code

Answer

Round 2 – Question 4

585 students attended a dance at a ratio of 7 girls to 6 boys. How many girls attended the dance?

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School Code

Answer

Round 1- Question 5

A radio priced \$49.96 is on sale at 30% off. What is the sale price?

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School Code

Answer

Round 2 – Question 5

27 out of 180 band members are percussionists. What percent are percussionists?

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School Code

Answer

Round 1- Question 6

If  $A \star B$  means  $\frac{A}{B} + \frac{B}{A}$ , then what is  $3 \star 4$ ?

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School Code

Answer

Round 2 – Question 6

A  $10 \frac{1}{2}$  foot board was cut into 3 equal pieces. How many *inches* long was each piece?

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School Code

Answer

Round 1- Question 7

The Smiths' left their house at 7:25 a.m. to drive to the beach. After driving at an average rate of 52 mph, they arrived at the beach at 9:10 a.m. How many miles did they drive?

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School Code

Answer

Round 2 – Question 7

What is the difference between the 10<sup>th</sup> prime number and 10<sup>th</sup> composite number?

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School Code

Answer

Round 1- Question 8

A bottle held  $2\frac{1}{3}$  cups of oil. Adam poured  $\frac{3}{4}$  cup into a pan. How many cups were left in the bottle?

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School Code

Answer

Round 2 – Question 8

Tom had \$1.18 in coins in his pocket. \$1.00 fell out of his pocket while he played catch. What is the fewest number of coins that remained in his pocket?

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School Code

Answer

Tie Breaker #1

A triangle has an area of 56 sq. in. Its base is 8 in. What is its height?

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School Code

Answer

Tie Breaker #2

What is the difference between  $3\frac{7}{10}$  and 1.78?

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School Code

Answer

Practice Question

Simplify:  $36 - 6(12 \div 3 + 1)$

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School Code

Answer

## Answers

	Round1	Round2
1.	97	$\frac{1}{2}$ or .5
2.	30	157
3.	111	153
4.	5	315
5.	34.97	15
6.	$\frac{25}{12}$ or (2 and $\frac{1}{12}$ )	42
7.	91	11
8.	$\frac{19}{12}$ or (1 and $\frac{7}{12}$ )	4
TB1	14	
TB2	1.92	
Practice	6	