

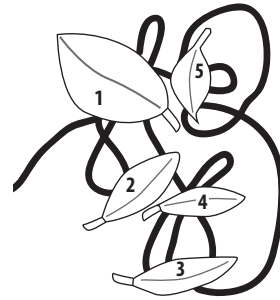
RSM OLYMPIAD

First Name _____
Last Name _____
Grade _____
School _____
City _____
RSM Branch _____

**Grades
2-3**

1 Helena and Gabriel had 24 apples together. Gabriel ate 5 of Helena's apples, but gave her 10 of his apples. How many apples do they now have together?

2 A rope without knots is partially covered by 5 leaves. One end of the rope is outside the picture. Which leaf covers the other end of the rope?



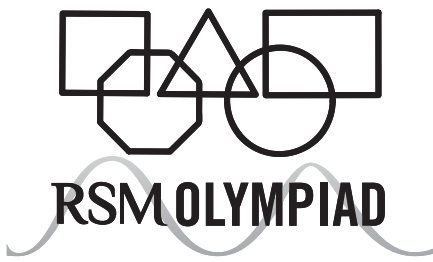
3 Natasha thought of a digit that is greater than the number of weekend days that month but less than the number of weekend days the month before. Find Natasha's digit.

4 There were 12 problems at the RSM Olympiad, numbered from 1 to 12. In the first 65 minutes, Jen solved all the problems with odd numbers and half of the problems with even numbers. How many more problems did she solve in the remaining 10 minutes, if the total number of problems she solved at the RSM Olympiad was even, and she did not solve problem 4?

5 Lana cut a square pizza pie into 9 square parts and ate one of them. Ella cut one of the remaining pieces into 4 rectangular parts, and then ate one of them. Miri cut one of the remaining pieces into 10 triangular parts, and then ate two of them. How many pizza pieces of all shapes are left?

6 Kittens in the RSM Pet Corner have 15 tails and ears together. How many paws do these kittens have altogether?

Please fold over on line. Write answers on back.

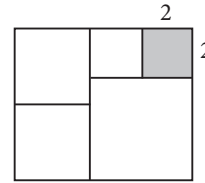


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7

The rectangle shown on the diagram is divided into 5 squares. How long is the longest side of this rectangle if the shaded square is 2 by 2?



8

Look at the three clocks. The current time is between 8 AM and 10 AM, but none of the clocks displays it correctly. One of them is off by 20 minutes, and another one is off by 30 minutes. How many minutes is the remaining clock off by? Make sure the answer is greater than 0 but less than 100.



9

The RSM Store sells 3-pen packs for 2 dollars each and 5-pen packs for 3 dollars each. Pamela bought several packs of pens, paying 20 dollars for 31 pens. How many packs of pens did she buy?

10

One morning Ginger found a Magic Candy Box with 15 candies in it. The box was magic because for every candy taken out of the box, 3 more candies magically appeared in the box. And there was no way to put a candy back in the box. In the evening Ginger showed the box with 37 candies to her friends. How many candies had Ginger taken out of the box before she showed it to her friends?

11

There are 20 houses around RSM. Some of them are old and the rest are new. Some of the houses are white and the rest are brown. Among them, there are 3 old white houses, 5 new brown houses, and twice as many old brown houses as new white houses. How many brown houses are there around RSM?

12

Each price tag shows the cost of the toys inside the bag. Figure out the missing number on the last price tag.



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