Middle Primary Division

Section A

1. 

[Answer: 130]

Solution: 

1. 

[Answer: 1 100]

Solution: 

3. 

[Answer: 10 000]

Solution: Original Expression







1. 

[Answer: 10 000]

Solution: Original Expression



1. 

[Answer: 800]

Solution: Original Expression

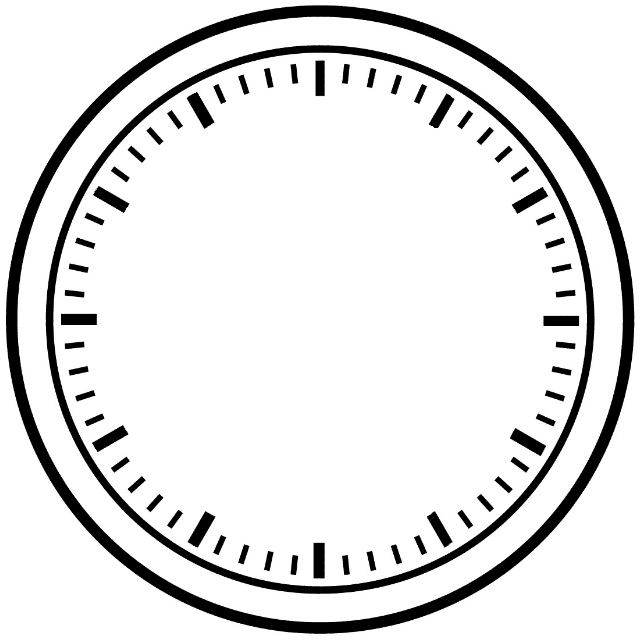
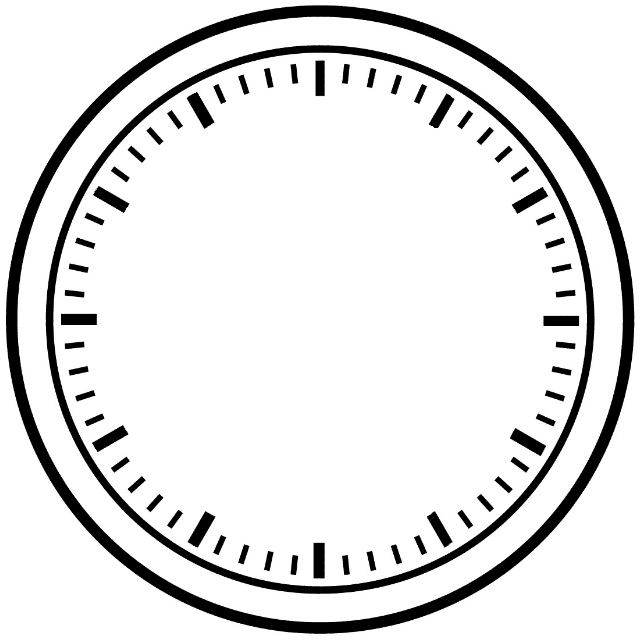




Section B.

1. As shown in Figure 1, how many hours and minutes does the hand on the clock go from (1) to (2)?

As shown in Figure 1, how many hours and minutes has the time of the clock run from (1-1) to (1-2)?



1. 2 hours 30 minutes B. 2 hours 45 minutes

C. 3 hours 30 minutes D. 3 hours 45 min

【Answer：B】

Solution: The time shown in Figure (1-1) is 12:45 or 0:45, and the time shown in Figure (1-2) is 15:30 or 3:30, and so at least 2:45 has passed.



1. In the two-digit addition mathematical sentence shown in Figure. 2. It is known that  What is the value of 

The two-digit addition sentence in Figure 2 is expressed as  What is the value of 

1. 2 B. 4 C. 7 D. 13

【Answer：B】

Solution: From the given mathematical sentence, 

then  Therefore, 

3. In each square, we will write the sum of the numbers of the two squares under it which touch it. What number needs to be written in the square with the question mark?

Find the sum of the numbers of two neighboring squares and

write it on each empty square above them. What number must

be in the square with a question mark?

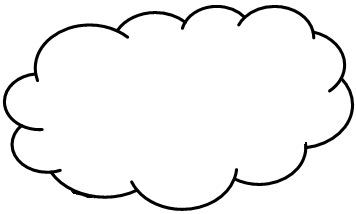
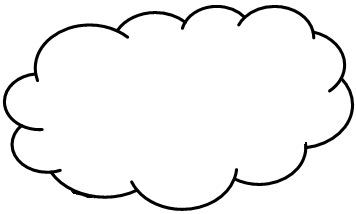
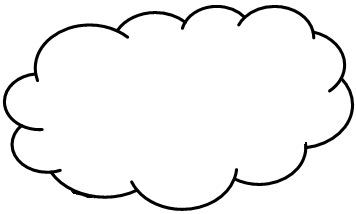
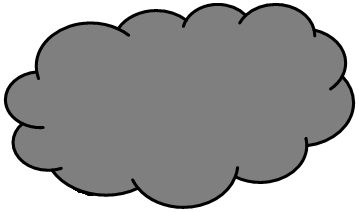
A. 12 B. 14 C. 20 D. 10

【Answer：D】

Solution:

4. What number do we need to write in the shaded cloud so that after performing the operations indicated in the picture, we get the number 36?

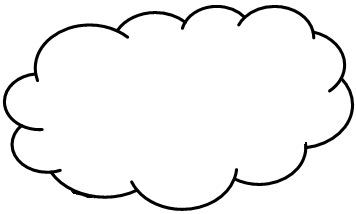
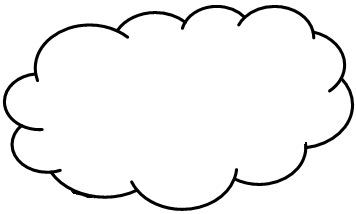
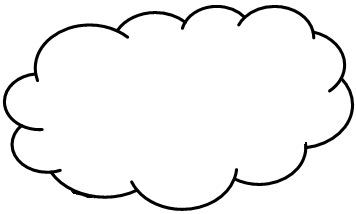
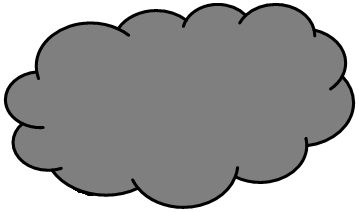
What number must be written in the shaded cloud so that after performing the operations indicated in the picture, we get the number 36?



A. 10 B. 15 C. 13 D. 12

【Answer：C】

Solution:



5. In two days, a tourist walked 33 kilometers. During the second day, he walked three times as far as he did the first day, and then 5 kilometers more. How many kilometers did he walked the second day?

A tourist walked 33 kilometers for two days. On the second day, he walked three times as far as he did the first day, and then walked 5 kilometers more. How many kilometers did he walk the second day?

A. 12 B. 26 C. 20 D. 25

【Answer：B】

Solution:



On the second day, he walked 26 kilometer (7 + 7 + 7 + 5 = 3 × 5 + 5 = 21 + 5= 26).

Section C.

1. Cindy tears off the page in the calendar of the previous day after getting up every morning. One afternoon the family flight from A City of Manila to City B to visit grandmother and returned to City A three days later. Cindy tore off three pages in the calendar. The three date numbers on these 3 pages of the calendars add up to exactly 60. On what date did Cindy go to City B?

Cindy tears off the page of the previous day of the calendar after getting up every morning. One afternoon the family flew from City A to City B to visit grandmother and returned to City A three days later. Cindy tore off three pages of the calendar. The three date numbers on these 3 pages of the calendar add up to exactly 60. On what date did Cindy go to City B?

[**Answer: 36**]

**Solution:**

The number in the 3 pages which Cindy removed from the calendar must be three consecutive numbers or the last two days of one month plus the first day of the next month. Since  or  therefore, Cindy went to City B on the 19th of the month or 29th of the month. 

1. Mr. Cruz went to visit a friend staying at the eighth floor of a building. However, he had to climb the stairs since the elevator was out of order. It took him 72 seconds climbing the stairs from the first floor to the fourth floor. How many seconds did it take him to climb the stairs at the same speed from the fourth floor to the eighth floor?

[**Answer: 96**]

**Solution:**

From the first floor to the fourth floor, there is a total of 4 – 1 = 3 floors, going up takes 72 seconds, so it takes  seconds to walk the staircases from one floor to the next floor. Then, from the fourth floor to the eighth floor, one still needs to go 8 – 4 = 4 floors, taking  seconds.

3. A group of friends went boating. They found out that if a boat is added, then six people could be taken in a boat. And if reducing one boat, then 9 people could be made to occupy one boat. How many people are there in this group of friends?

[**Answer: 36**]

**Solution:**

Suppose the number of boats is 

So, when adding a boat, with 6 people can occupy one boat, indicating the total number of people is  or  when reducing one boat, with 9 people occupying one boat, indicating that the total number of people is  or 

Then, the total number of people is 

Hence, and it follows there are  people.

4. Some flower pots were placed at the playground. First, the garden keeper removed half and 6 more flower pots from the garden and then removed 4 less than half of the remaining pots away. Now the remaining pots can be arranged in 3 rows, with 6 pots in each row. How many flower pots were there at the playground originally?

[**Answer: 68**]

**Solution:**

From the given information, after the garden keeper twice removed the flower pots at the playground, the total number of remaining flower pots is 6 × 3 = 18.

There were (18 – 4) × 2 = 28 pots before the second removal of flower pots. So, before the first removal of flower pots (that is, the original), the playground had (28 + 6) × 2 = 68 pots.

5. A number of kilograms of rice which was transported from the storage is three times that the number of kilograms of flour. Actually, the rice is 428 kilograms more than the flour. How many kilograms of rice and flour were delivered from the storage?

[**Answer: there are 642 kg of rice, 214 kg of flour**]

**Solution:**

Consider the number of kilograms of flour is taken as 1 unit,

then the number of kilograms of rice must be 3 units,

so it is more than 3 – 1 = 2 more than the number of flour.  
Therefore, the weight of flour weighs 428 ÷ (3 – 1) = 214 kg  
while the weight of rice weighs 214 × 3 = 642 kg or 214 + 428 = 642 kg.