In problems 1-2, solve each question. Then add together all the digits. (For example, if the answer is 209, then write down the final answer as $2+0+9=11$.)	4.	7)89
1. 86×68		
2. 374×59	5.	6)77
In problems 3-19, solve each question. Then add the quotient and the remainder. (For example, if the quotient is 5 and the remainder is 0, then the final answer is $5+0=5$. If the quotient is 12 and the remainder is 8, then the final answer is $12+8=20$.)	6.	4)94
3. $3\overline{)74}$		

7.		10.	
	7)388		9)6335
8.	4)469	11.	27)208
9.	3)428	12.	18)320

G4 — 2

13.		16.	
	$43\overline{)7\ 4\ 0}$		28)3289
14.		17.	
	57)716		71)8859
15.		18.	
	65)567		87)6834
		I	

19.

47)29871

22. $34 - (31 + 53) \div (7 \times (9 - 7))$

23. $(55-17) \div 2 + (34 - (6+7) - 7) \times 4$

In problems 20-23, calculate the answer.

20. $(78 \div (6+7) - 2) \times 9$

21. $8+6 \times (12-8) \div 3$

In problems 24-26, solve each question as a mixed number in its simplest form. Then write the numerator. (For example, if the answer is $2\frac{13}{8}$, make $3\frac{5}{8}$ and write the final answer as 5.)

24.
$$2\frac{5}{7} + \left(5 - 3\frac{3}{7}\right)$$

25.
$$6\frac{5}{9} - \left(5\frac{2}{9} - 1\frac{4}{9}\right)$$

26. $3\frac{1}{5} - 2\frac{3}{5} + 4\frac{4}{5}$

28. $8 \cdot 1 \ 4$ - $3 \cdot 5 \ 5 \ 3$

In problems 29-30, solve each question into its simplest form. Then add the numerator and the denominator. (For example, if the answer is $\frac{2}{3}$, then write the final answer as 2+3=5.)

29.
$$\frac{42}{70}$$

In problems 27-28, solve each question. Then write the decimal part as your answer. (For example, if the answer is 18.2 or 18.20, then write the final answer as 2. If the answer is 2.54 or 2.054, then write the final answer as 54.)

27. $6 \cdot 3 \ 5 \ 1$ - 2 \cdot 5 \ 3

30.
$$\frac{85}{102}$$

31. Robin needs 14 rubber bands for each puppet he makes. He wants to make 24 puppets. How many rubber bands does he need?

_____ rubberbands

32. Amy collected 24 pretty spoons. She put her spoons equally into 6 cases. How many spoons does each case have?

_____ spoons

33. A banquet is planned and 170 guests will attend. The banquet hall has tables that seat 12 people each. How many tables are needed for the banquet?

_____ tables

34. At an event, people made a tall tower by stacking 1200 blocks. Each story of the tower was made using 25 blocks. How many stories did the tower have?

_____ stories

35. A machine started to work at 0:00 on day 1. On which day will it have worked for 10,000 hours if it works without rest?

_____ th day

36. Mrs. McGregor had 42 cupcakes to give to her 14 students. But, two students were absent. So, after giving the cupcakes to 12 students equally, she brought the remaining cakes home. How many cupcakes did she bring home?

_____ cupcakes

37. How many squares with a side length of 2 cm can be packed into a rectangle with a dimension of 16 cm and 18 cm?

_____ squares

38. Amy bought three dozen bagels from her favorite bakery. The bakery manager gave two extra bagels. How many bagels did Amy get?

_____ bagels

39. Emily is an athlete. Her bottle was full at the beginning of training. During training, she drank $4\frac{3}{5}$ bottles of water, with her coach filling up her bottle for her. After finishing, she drank $2\frac{4}{5}$ bottles of water. How much water did she drink in total? If the answer is $A\frac{C}{B}$, write the sum A+B+C.

40. 5.4 kg of coffee beans were divided equally into several bags. Each empty bag weighs 3.125 kg. What is the total weight of a bag containing coffee beans if the bag contains 1.08 kg of beans? Write the three digits of the decimal part of the weight.

4._____ kg

41. Which figure has the same area as the example? [3.3 points]



Answer : _____

42. If the addition card is rotated a half turn to the left, what is the result of the sum that you can see ()? [2.3 points]





43. Look at the pictures and find the picture that belongs in the "?".

44. A month calendar was partially hidden by paper. What is the sum of the dates of all Sundays on this calendar? [3.3 points]



45. We can call a number symmetric if it reads the same forwards and backwards. Let us consider all 2-digit symmetric numbers. If we multiply two 2-digit symmetric numbers together, some products are symmetric and some products are not symmetric. For example, $77 \times 88 = 6776$ is symmetric and $88 \times 88 = 7744$ is not symmetric. Among all the products of 2-digit symmetric numbers, what is the smallest product that is not symmetric? [3.3 points]

Answer :

46. Jennie and Roseanne had lots of hairpins. Jennie had twice as many as Roseanne. Jennie gave Roseanne $\frac{1}{4}$ of her hairpins. Then, Roseanne had 24 hairpins. How many hairpins do they have altogether? [3.3 points]

Answer : _____ hairpins

47. Find the number A, when the sets of numbers in the following figures follow the same mathematical rule. [4.3 points]



Answer : _____

48. How many 3-unit L-shapes can you fill in the figure below? [4.3 points]



49. What is the greatest product of a 2-digit number and a 1-digit number which you make using the digits 2, 3, and 4. You cannot use any digit more than once. [4.3 points]

Answer :

50. There are 6 tables in the pattern. Find the number of 5s that are used in all the tables in the pattern. [4.3 points]

1	2	2	2	2	3
3	3	3	3	3	4
4	4	4	4	4	4

3	5	5	5	6	6	
4	 5	5	6	6	6	
4	6	6	6	7	7	

6	6	6
6	6	6
7	7	7