Think Academy

Monthly Challenge

• January • Grade 2

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G2 Practice Problems

Numbers & Operations

1 Calculate:

(1) $4,526 + 3,739 =$ _____

(2) $4,836 + 2,289 =$ _____

(3) $3,594 + 2,679 =$ _____

(4) $6,638 + 2,177 =$ _____

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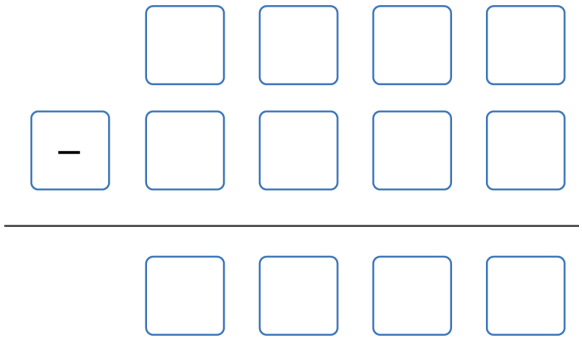
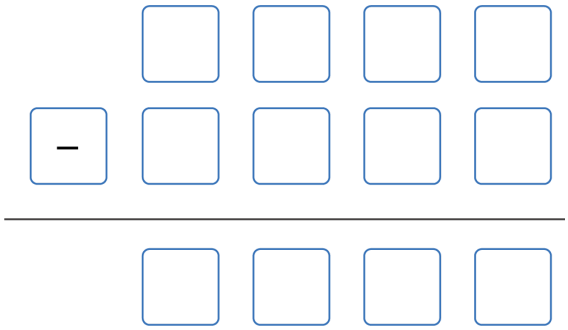
2 Solve the following problems using column subtraction.

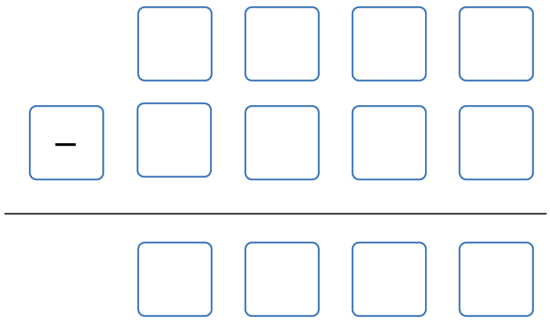
(1) $7,200 - 3,600 =$ _____



(2) $3,310 - 1,890$ _____



(3) $4,381 - 1,547$ _____



3 Calculate:

(1) $360 \div 6 + 128 =$ _____

(2) $296 - 148 + 156 =$ _____

(3) $621 \div (38 - 35) =$ _____

4 Calculate:

(1) $144 \times 4 + 23 \times 3 =$ _____

(2) $(77 + 293) \times 6 =$ _____

(3) $367 + 248 \times 7 =$ _____

5 Calculate:

(1) $118 \times 2 - 96 \div 8 =$ _____

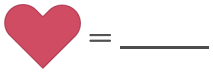
(2) $63 \times 7 + 497 \div 7 =$ _____

(3) $(51 + 19) \div (30 - 25) =$ _____

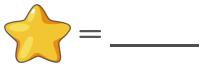
(4) $172 \div (33 - 29) =$ _____

Fun Math

1 Find the number each shape represents below! (The same shapes represent the same numbers, and different shapes represent different numbers.)



2 Find the number each shape represents below! (The same shapes represent the same numbers, and different shapes represent different numbers.)



3 Fill in the blanks. (The same shape represents the same number, and different shapes represent different numbers.)

4 Fill in the blanks. (The same shape represents the same number, and different shapes represent different numbers.)

5 Fill the numbers 1 to 4 exactly once in every row, column, and block.

1		4	
2		1	3
4	2		1
	1		4

6 Fill the numbers 1 to 4 exactly once in every row, column, and block.

2		1	
4		2	
	2		1
	4	3	2

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7 Fill the numbers 1 to 4 exactly once in every row, column, and block.

		3	1
3	1		
			2
1	2		

8 Fill the numbers 1 to 6 exactly once in every row,column, and block.

5	6	4	2	3	
2		1	6	4	5
3	1		4	5	6
4	5	6		2	3
1	2	3	5		4
	4	5	3	1	2

9 Fill the numbers 1 to 6 exactly once in every row,column, and block.

5	4		6	3	
3		6	5	2	4
	6		2	4	3
2	3	4		5	
6	5	3	4		2
	2	1		6	5

10 Fill the numbers 1 to 6 exactly once in every row,column, and block.

2		1		3	
		6	4	1	2
4	6		3	2	
	1	2		5	4
1	5	4	2		
	2		1		5

Word Problems

1 Bella and Ada have 20 books in total. Bella has 2 more books than Ada, how many books does Bella have? How about Ada?

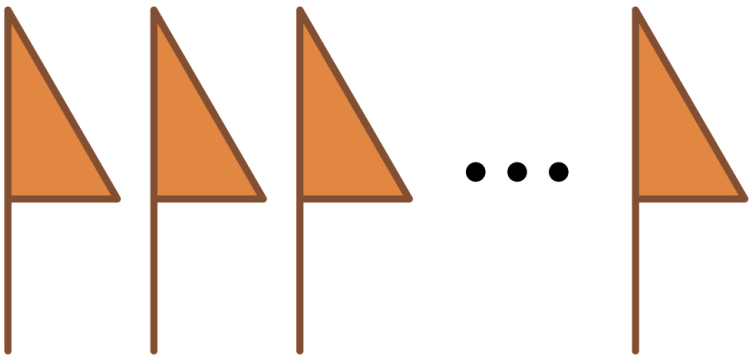
2 Kevin and Mira buy 28 boxes in total. Kevin buys 6 more boxes than Mira, how many boxes does Kevin buy? How about Mira?

3 Jenny and Rose planted 35 trees in total. Jenny planted 9 fewer trees than Rose, how many trees did Jenny plant? How about Rose?

4 Joanna and Nancy brought 43 pears in total. Joanna brought 3 fewer pears than Nancy, how many pears did Joanna bring? How about Nancy?

5 Jack and Dennis make 63 cupcakes in total. Jack makes 5 more cupcakes than Dennis, how many cupcakes does Jacks make? How about Dennis?

6 Dick puts 20 flags on one side of the road. The road is divided into _____ segments.



7 There is a road in a park. If workers plant 17 trees on one side of the road as shown below. The road is divided into _____ segments.

8 Workes put some benches on one side of a road. They put one pot of flowers between every two benches, and put 35 pots of flowers in total. They put _____ benches.

9 Lisa puts 25 pots of flowers every 2 meters on one side of a road. The width of the pot is negligible. It is _____ meters long from the 1^{st} pot of flowers to the 25^{th} pot of flowers?

10 A ribbon was cut six times. (The ribbon cannot be twisted.) Each section was 3 meters long. This ribbon was _____ meters long.

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G2 Practice Problems

Numbers & Operations

1 (1) $8,265$

(2) $7,125$

(3) $6,273$

(4) $8,815$

2 (1) 3600

(2) 1420

(3) 2834

3 (1) 188

(2) 304

(3) 207

4 (1) 645

(2) 2220

(3) 2103

5 (1) 224

(2) 512

(3) 14

(4) 43

Fun Math

1 1:10

2:9

2 4; 16

3 36; 12

4 12; 6; 18

5

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

6

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

7

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

8

5	6	4	2	3	1
2	3	1	6	4	5
3	1	2	4	5	6
4	5	6	1	2	3
1	2	3	5	6	4
6	4	5	3	1	2

9

5	4	2	6	3	1
3	1	6	5	2	4
1	6	5	2	4	3
2	3	4	1	5	6
6	5	3	4	1	2
4	2	1	3	6	5

10

2	4	1	5	3	6
5	3	6	4	1	2
4	6	5	3	2	1
3	1	2	6	5	4
1	5	4	2	6	3
6	2	3	1	4	5

Word Problems

1 11; 9.

2 17; 11.

3 13; 22.

4 20; 23.

5 34; 29.

6 19

7 16

8 36

9 48

10 21

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For challenge problem analysis, please visit our YouTube channel.

G2 Challenge Problems

1 In a division equation, the divisor is 8, the quotient is 10, and the remainder is 7. Therefore, the dividend is _____ .

2 Fill in the blanks!

(1) $572 = 5 \times$ _____ $+ 7 \times$ _____ $+ 2 \times$ _____ .

(2) $7652 = 2 \times$ _____ $+ 6 \times$ _____ $+ 7 \times$ _____ $+ 5 \times$ _____ .

(3) $37984 = 3 \times$ _____ $+ 7 \times$ _____ $+ 9 \times$ _____ $+ 8 \times$ _____ $+ 4 \times$ _____ .

3 Calculate using long multiplication:

(1) $98 \times 5 =$ _____

(2) $83 \times 7 =$ _____

4 Calculate using long multiplication:

(1) $470 \times 2 =$ _____

(2) $189 \times 3 =$ _____

(3) $145 \times 4 =$ _____

5 Without calculating, can you quickly decide if the result of each expression is an even number or an odd number?

(1) The result of $883 - 178$ is an _____ number.

A. Odd B. Even

(2) The result of $985 - 379$ is an _____ number.

A. Odd B. Even

(3) The result of $21 + 42 + 83 + 94 + 25 + 86$ is an _____ number.

A. Odd B. Even

(4) The result of $78 + 90 + 133 + 84 + 95$ is an _____ number.

A. Odd B. Even

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1 87

2 (1) 1:100
2:10
3:1

(2) 1:1
2:100
3:1000
4:10

(3) 1:10000
2:1000
3:100
4:10
5:1

3 (1) 490

(2) 581

4 (1) 940

(2) 567

(3) 580

5 (1) A (2) B (3) A (4) B


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