

ABOUT THIS SAMPLE

This sample includes three leveled skill sheets for standard 4.OA.3 and 4.OA.4. Level 1 is approaching grade level, level 2 is grade level and level 3 is above grade level.

Click [here](#) or on the image to see all of the 4th grade differentiated math skills sheets in my store. As of February 2017, only the OA and NBT domain is completed. However, the entire set and a bundle is expected to be completed by the end of April.



4th Grade Differentiated Math Skill Sheets {Operations and Algebraic Thinking}

By Jennifer Findley

This resource contains three printables for each standard in the Operations and Algebraic domain of the 4th grade Common Core standards. There are nine printables for 4.OA.4 to meet

Subjects: Specialty, Math, Algebra, Basic Operations, Tools for Common Core

Grades: 4th

Types: Activities, Assessment, Printables

CCSS: 4.OA.A.1, 4.OA.A.2, 4.OA.A.3, 4.OA.B.4, 4.OA.C.5

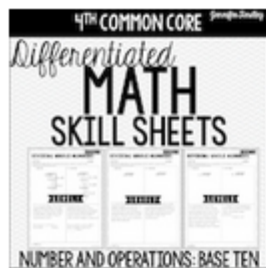
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★★★★★ 4.0

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WISH LIST



4th Grade Differentiated Math Skill Sheets {Number and Operations: Base Ten}

By Jennifer Findley

This resource contains three printables for each standard in the Number and Operations: Base Ten domain of the 4th grade Common Core standards. The printables are differentiated by

Subjects: Math, Basic Operations, Place Value

Grades: 4th

Types: Activities, Assessment, Printables

CCSS: 4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3, 4.NBT.B.4, 4.NBT.B.5, 4.NBT.B.6

\$4.00

28 ratings
★★★★★ 4.0

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PDF (0.86 MB)

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WISH LIST

MULTI-STEP WORD PROBLEMS LEVEL 1

Name: _____ Date: _____

Read and solve the word problems. Show all of your work.

1. A group of fourth graders and fifth graders are going on a field trip. There are 56 fourth graders and 61 fifth graders going. Each student will pay \$5 to go on the field trip. How much money will be paid by all of the students?

1st Step: _____ + _____ = _____

2nd Step: _____ × _____ = _____

2. While at the movies, the Ramirez family bought 6 movie tickets for \$5 each. They also spent \$24 at the concession stand. How much money did they spend at the movies?

1st Step: _____ × _____ = _____

2nd Step: _____ + _____ = _____

3. Austin has two bags of lollipops. Each bag contains 18 lollipops. He plans to equally split all of the lollipops into four bags. How many lollipops will be in each bag?

1st Step: _____ × _____ = _____

2nd Step: _____ ÷ _____ = _____

4. Riley collects baseball cards. He has an album that contains 186 cards and another album that contains 233 cards. If Riley gives away 56 of his cards, how many cards will he have remaining?

1st Step: _____ + _____ = _____

2nd Step: _____ - _____ = _____

MULTI-STEP WORD PROBLEMS **LEVEL 2**

Name: _____ Date: _____

Read and solve the word problems. Show all of your work.

1. The Walker family recently visited the zoo. The tickets were \$8 per child and \$12 per adult. If there were 4 children and 3 adults, how much money did the Walker family spend on tickets?

2. Taylor spent all weekend completing jobs for extra money. He worked for four hours mowing lawns at \$22 per hour. Then he did three hours of minor mechanic work for \$9 an hour. How much extra money was Taylor able to make?

3. Hillary bought three bags of candy from the store. Two bags each contained 24 pieces of candy and the third bag contained 48 pieces of candy. How many pieces of candy did Hillary buy in all?

4. Murray High is having its graduation ceremony at the local trade center. They are shuttling people from the high school to the trade center. There are 22 adults and 6 children waiting for the shuttle. If the shuttle holds 9 people, how many trips are needed to transport all of the people waiting?

MULTI-STEP WORD PROBLEMS LEVEL 3

Name: _____ Date: _____

Read and solve the word problems. Show all of your work.

1. Sarai is saving money to purchase a new gaming system for \$345. She has \$124 saved up already. If she earns \$25 a week for completing her chores, how many weeks will it take her to save all of the money she needs?

2. The fourth graders and fifth graders at Valley Point Elementary are going on a field trip. There are 148 fourth graders and 96 fifth graders. There are also 18 teachers going. If 54 people can fit on one bus, how many buses are needed for all of the students and teachers?

3. The Mulroney family went to the carnival last weekend. The parents spent \$24 each for unlimited ride bracelets for their four children. They also bought \$18 worth of tickets for themselves to ride a few rides. Finally, they spent \$36 on snacks and refreshments. Their budget was \$100. How far over or under were they?

4. Mrs. Ricket is creating treat bags for her 98 math students. She wants to give each student 5 pieces of candy. How many bags of candy should she buy if the bags each have 48 pieces in them?

FACTORS

LEVEL 1

Name: _____ Date: _____

Follow the directions for each problem.

1. Use the table to help you determine if 6 is a factor of 24. Explain how you know.

2. Use the table to help you determine if 3 is a factor of 25. Explain how you know.

3. Use the table to help you determine if 7 is a factor of 20. Explain how you know.

4. Use the table to help you determine if 9 is a factor of 36. Explain how you know.

X	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

4.OA.4

FACTORS

LEVEL 2

Name: _____ Date: _____

Follow the directions for each problem.

1. Which of the following are correct factor pairs of 72? Explain how you know.

- a. 8, 9
- b. 12, 5
- c. 3, 8
- d. 9, 6

2. Which of the following are correct factor pairs of 42? Explain how you know.

- a. 6, 6
- b. 7, 8
- c. 5, 3
- d. 7, 6

3. Which of the following are correct factor pairs of 54? Explain how you know.

- a. 8, 8
- b. 6, 9
- c. 3, 12
- d. 9, 8

4. Which of the following are correct factor pairs of 45? Explain how you know.

- a. 4, 5
- b. 8, 5
- c. 9, 5
- d. 10, 4

5. List all of the factors of 24.

6. List all of the factors of 45.

FACTORS

LEVEL 3

Name: _____ Date: _____

Follow the directions for each problem.

1. Is 2 a factor of 955? Explain how you know.

2. Is 5 a factor of 790? Explain how you know.

3. Is 2 a factor of 686? Explain how you know.

4. Is 10 a factor of 363? Explain how you know.

5. Find all the factors for 122.

Find all the factors for 150.

ANSWER KEYS

MULTI-STEP WORD PROBLEMS LEVEL 1

ANSWER KEY

Read and solve the word problems. Show all of your work.

1. A group of fourth graders and fifth graders are going on a field trip. There are 56 fourth graders and 61 fifth graders going. Each student will pay \$5 to go on the field trip. How much money will be paid by all of the students?

$$\text{1st Step: } \underline{56} + \underline{61} = \underline{117}$$

$$\text{2nd Step: } \underline{117} \times \underline{5} = \underline{585}$$

\$585 will be paid in all.

2. While at the movies, the Ramirez family bought 6 movie tickets for \$5 each. They also spent \$24 at the concession stand. How much money did they spend at the movies?

$$\text{1st Step: } \underline{6} \times \underline{5} = \underline{30}$$

$$\text{2nd Step: } \underline{30} + \underline{24} = \underline{54}$$

The Ramirez family spent \$54.

3. Austin has two bags of lollipops. Each bag contains 18 lollipops. He plans to equally split all of the lollipops into four bags. How many lollipops will be in each bag?

$$\text{1st Step: } \underline{2} \times \underline{18} = \underline{36}$$

$$\text{2nd Step: } \underline{36} \div \underline{4} = \underline{9}$$

There will be 9 lollipops in each bag.

4. Riley collects baseball cards. He has an album that contains 186 cards and another album that contains 233 cards. If Riley gives away 56 of his cards, how many cards will he have remaining?

$$\text{1st Step: } \underline{186} + \underline{233} = \underline{419}$$

$$\text{2nd Step: } \underline{419} - \underline{56} = \underline{414}$$

Riley will have 414 cards remaining.

MULTI-STEP WORD PROBLEMS

LEVEL 2

ANSWER KEY

Read and solve the word problems. Show all of your work.

1. The Walker family recently visited the zoo. The tickets were \$8 per child and \$12 per adult. If there were 4 children and 3 adults, how much money did the Walker family spend on tickets?

The Walker family spent \$68 on tickets.

2. Taylor spent all weekend completing jobs for extra money. He worked for four hours mowing lawns at \$22 per hour. Then he did three hours of minor mechanic work for \$9 an hour. How much extra money was Taylor able to make?

Taylor made \$115.

3. Hillary bought three bags of candy from the store. Two bags each contained 24 pieces of candy and the third bag contained 48 pieces of candy. How many pieces of candy did Hillary buy in all?

Hillary bought 96 pieces of candy in all.

4. Murray High is having its graduation ceremony at the local trade center. They are shuttling people from the high school to the trade center. There are 22 adults and 6 children waiting for the shuttle. If the shuttle holds 9 people, how many trips are needed to transport all of the people waiting?

The shuttle will need to make 4 trips.

MULTI-STEP WORD PROBLEMS

LEVEL 3

ANSWER KEY

Read and solve the word problems. Show all of your work.

1. Sarai is saving money to purchase a new gaming system for \$345. She has \$124 saved up already. If she earns \$25 a week for completing her chores, how many weeks will it take her to save all of the money she needs?

It will take Sarai nine weeks.

2. The fourth graders and fifth graders at Valley Point Elementary are going on a field trip. There are 148 fourth graders and 96 fifth graders. There are also 18 teachers going. If 54 people can fit on one bus, how many buses are needed for all of the students and teachers?

Five buses are needed.

3. The Mulroney family went to the carnival last weekend. The parents spent \$24 each for unlimited ride bracelets for their four children. They also bought \$18 worth of tickets for themselves to ride a few rides. Finally, they spent \$36 on snacks and refreshments. Their budget was \$100. How far over or under were they?

The family was \$50 over their budget.

4. Mrs. Ricket is creating treat bags for her 98 math students. She wants to give each student 5 pieces of candy. How many bags of candy should she buy if the bags each have 48 pieces in them?

Mrs. Ricket should buy 11 bags of candy.

FACTORS

LEVEL 1

ANSWER KEY

Follow the directions for each problem.

1. Use the table to help you determine if 6 is a factor of 24. Explain how you know.

Yes

2. Use the table to help you determine if 3 is a factor of 25. Explain how you know.

No

3. Use the table to help you determine if 7 is a factor of 20. Explain how you know.

No

4. Use the table to help you determine if 9 is a factor of 36. Explain how you know.

Yes

X	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

4.OA.4

FACTORS

LEVEL 2

ANSWER KEY

Follow the directions for each problem.

1. Which of the following are correct factor pairs of 72? Explain how you know.

- a. 8, 9
- b. 12, 5
- c. 3, 8
- d. 9, 6

A

2. Which of the following are correct factor pairs of 42? Explain how you know.

- a. 6, 6
- b. 7, 8
- c. 5, 3
- d. 7, 6

D

3. Which of the following are correct factor pairs of 54? Explain how you know.

- a. 8, 8
- b. 6, 9
- c. 3, 12
- d. 9, 8

B

4. Which of the following are correct factor pairs of 45? Explain how you know.

- a. 4, 5
- b. 8, 5
- c. 9, 5
- d. 10, 4

C

5. List all of the factors of 24.

1, 2, 3, 4, 6, 8, 12, 24

6. List all of the factors of 45.

1, 3, 5, 9, 15, 45

FACTORS

LEVEL 3

ANSWER KEY

Follow the directions for each problem.

1. Is 2 a factor of 955? Explain how you know.

No

2. Is 5 a factor of 790? Explain how you know.

Yes

3. Is 2 a factor of 686? Explain how you know.

Yes

4. Is 10 a factor of 363? Explain how you know.

No

5. Find all the factors for 122.

1, 2, 61, 122

Find all the factors for 150.

1, 2, 3, 5, 10, 15, 25, 30,
50, 75, 150

This resource was created by Jennifer Findley. It may be printed and photocopied for single classroom use. It may not be put on the Internet, sold, or distributed in any form. Check out my store for more resources that are common core aligned.



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Thanks!
Jennifer Findley

