



# 4th Year Math Task Cards

Unit 2 - Operations & Algebraic Thinking (OA)

## Directions:

- 1) Locate the assigned “Math Task Cards” from this unit
- 2) If needed, use a material or whiteboard to help you solve the problems
- 3) Record all answers in your “Math Task Journal”
- 4) When you have completed all 20 Task Cards, you may self-correct using the Answer Key
- 5) If you get a problem wrong, circle it with a highlighter or marker

16-20 CORRECT	11-15 CORRECT	0-10 CORRECT
EXCELLING	ACHIEVING	DEVELOPING
WOW - WAY TO GO!	YOU'RE GETTING CLOSE!	NOT YET - KEEP TRYING!

**1**

**12 is 6 times as  
many as \_\_\_\_.**

**4.OA.1**

**2**

**40 is \_\_\_\_ times as  
many as 5.**

**4.OA.1**

**3**

**24 is 6 times as  
many as \_\_\_\_.**

**4.OA.1**

**4**

**27 is \_\_\_\_ times as  
many as 9.**

**4.OA.1**

**5**

28 is 7 times as  
many as \_\_\_\_.

4.OA.1

**6**

32 is \_\_\_\_ times as  
many as 4.

4.OA.1

**7**

48 is 6 times as  
many as \_\_\_\_.

4.OA.1

**8**

21 is \_\_\_\_ times as  
many as 7.

4.OA.1

**9**

Write the statement as a multiplication equation.

**18 is 2 times as many as 9**

**4.OA.1**

**10**

Write the statement as a multiplication equation.

**42 is 6 times as many as 7**

**4.OA.1**

**11**

Write the statement as a multiplication equation.

**24 is 12 times as many as 2**

**4.OA.1**

**12**

Write the statement as a multiplication equation.

**35 is 5 times as many as 7**

**4.OA.1**

**13**

Write the statement as a multiplication equation.

**22 is 11 times as many as 2**

**4.OA.1**

**14**

Write the statement as a multiplication equation.

**45 is 9 times as many as 5**

**4.OA.1**

**15**

Write the statement as a multiplication equation.

**54 is 9 times as many as 6**

**4.OA.1**

**16**

Write the statement as a multiplication equation.

**36 is 6 times as many as 6**

**4.OA.1**

**17**

Write the multiplicative equation  
as a multiplicative comparison.

$$56 = 7 \times 8$$

**4.OA.1**

**18**

Write the multiplicative equation  
as a multiplicative comparison.

$$18 = 6 \times 3$$

**4.OA.1**

**19**

Write the multiplicative equation  
as a multiplicative comparison.

$$30 = 5 \times 6$$

**4.OA.1**

**20**

Write the multiplicative equation  
as a multiplicative comparison.

$$16 = 8 \times 2$$

**4.OA.1**

# Multiplicative Comparisons

## ANSWER KEY

1. <b>2</b>	2. <b>8</b>	3. <b>4</b>	4. <b>3</b>
5. <b>4</b>	6. <b>8</b>	7. <b>8</b>	8. <b>3</b>
9. <b><math>18 = 2 \times 9</math></b>	10. <b><math>42 = 6 \times 7</math></b>	11. <b><math>24 = 12 \times 2</math></b>	12. <b><math>35 = 5 \times 7</math></b>
13. <b><math>22 = 11 \times 2</math></b>	14. <b><math>45 = 9 \times 5</math></b>	15. <b><math>54 = 9 \times 6</math></b>	16. <b><math>36 = 6 \times 6</math></b>
17. <b>56 is 7 times as many as 8</b>	18. <b>18 is 6 times as many as 3</b>	19. <b>30 is 5 times as many as 6</b>	20. <b>16 is 8 times as many as 2</b>



**1**

Mia eats 5 pieces of candy on Monday and 10 pieces of candy on Tuesday. How many times more pieces of candy did Mia eat on Tuesday than on Monday?

**4.OA.2**

**2**

Andrew played with 8 toy cars. David played with 24 toy cars. How many times more toy cars did David play with than Andrew?

**4.OA.2**

**3**

Hannah brought 24 brownies to the party, and Amber brought 6 brownies to the party. How many times more brownies did Hannah bring than Amber?

**4.OA.2**

**4**

There are 4 boxes of crayons with 8 crayons in each box. How many crayons are there in all?

**4.OA.2**

**5**

Connor did 5 pushups on Friday and on Saturday he did 4 times as many pushups as he did on Friday. How many pushups did Connor do on Saturday?

**4.OA.2**

**6**

For a candy bar fundraiser, Mason earned 6 dollars, and Ava earned 6 times as much as Mason. How much money did Ava earn?

**4.OA.2**

**7**

During the school year, Ella earned 3 pencils, and Olivia earned 15 pencils. How many times more pencils did Olivia earn than Ella?

**4.OA.2**

**8**

The pet store sold 4 kittens and 16 puppies in June. How many times more puppies were sold than kittens?

**4.OA.2**

**9**

Danielle read 7 pages in her book, and Sarah read 35 pages in her book. How many times more pages did Sarah read than Danielle?

**4.OA.2**

**10**

Lucy collected 9 stamps every month for 6 months. How many stamps did Lucy collect?

**4.OA.2**

**11**

Garrett bought 4 packs of stickers with 9 stickers in each pack. How many stickers did Garrett buy?

**4.OA.2**

**12**

Randy has 8 bags of pencils with a total of 48 pencils. If equally distributed, how many pencils are in each bag?

**4.OA.2**

**13**

A flower shop has 54 daisies and 9 roses. How many times more daisies are there than roses?

**4.OA.2**

**14**

On Tuesday, the mini golf course had 3 customers, and on Wednesday the course had 9 times as many customers. How many customers did they have on Wednesday?

**4.OA.2**

**15**

A restaurant sold 8 times as many pizzas as they did salads. If they sold 7 salads, how many pizzas did they sell?

**4.OA.2**

**16**

Owen had soccer practice for 4 hours last month. Owen practiced 7 times more this month. How many hours did Owen practice this month?

**4.OA.2**

**17**

Robert bought a dozen eggs. Harry bought 4 times as many eggs as Robert. How many eggs did Harry buy?

**4.OA.2**

**18**

A pumpkin patch sold 9 pumpkins on Thursday and 63 pumpkins on Friday. How many times more pumpkins did they sell on Friday than on Thursday?

**4.OA.2**

**19**

A restaurant sold 42 hamburgers and 7 ice cream cones. How many times more hamburgers were sold than ice cream cones?

**4.OA.2**

**20**

Ashley spent \$64 at the mall. Her friend spent 8 times less than her. How much did her friend spend at the mall?

**4.OA.2**

# Multiplicative Comparisons in Word Problems

## ANSWER KEY

1. 2	2. 3	3. 4	4. 32
5. 20	6. 36	7. 5	8. 4
9. 5	10. 54	11. 36	12. 6
13. 6	14. 27	15. 56	16. 28
17. 48	18. 7	19. 6	20. \$8

**1**

Johnny's mother made 44 cookies this morning. If Johnny eats five cookies per day, how many cookies will be left after eight days?

**4.OA.3**

**2**

Billy has a lot of tennis balls. If his friend takes five of them, how many does Billy have left? Express your answer as mathematical statement using 'b' as the number of tennis balls Billy started with.

**4.OA.3**

**3**

A 55-gallon barrel is filled with water. It leaks out at a rate of 2 gallons per minute. How much water will be left in the barrel after 20 minutes?

**4.OA.3**

**4**

A hippopotamus weighs 4,123 pounds. Without doing any calculations, determine whether 7 hippopotami would weigh closer to 6,000 pounds or 30,000 pounds.

**4.OA.3**



**5**

If George travels about 28 miles every day, how many miles does he travel in one month: 90, 900, or 9,000?

**4.OA.3**

**6**

Tina drives 5 miles in 10 minutes. If she makes this drive 4 times per day, how many miles does she drive every day?

**4.OA.3**

**7**

David puts his money in the bank for 10 years in order to earn more money on interest. When he takes it out of the bank, he has twice the amount he put in. If he put in 'x' dollars, how many dollars does he have now?

**4.OA.3**

**8**

A classroom of 25 students orders 10 pizzas for a party. Each pizza is cut into 8 slices. If all the slices are distributed evenly, how many will each student get? How many will be left over?

**4.OA.3**



**9**

Stephanie has an unknown number of marbles, 'm'. She gives them all away to 4 friends who each get 12. Write both sides of this equation, using 'm' as a variable.

**4.OA.3**

**10**

Blake uses 2 geese to make a stew feeding 5 people. If he needs to feed 15 people, how many geese will he need?

**4.OA.3**

**11**

Leah's family spends \$397 per month on groceries. Approximately how much would Leah's family spend on groceries every 365 days? (\$4,800, \$48,000, or \$480,000)

**4.OA.3**

**12**

Mrs. Smith works as a seamstress making clothes. She can make an outfit in 2 hours. If she works for 7 hours, how many whole outfits can she make? How many more hours will it take her to finish the last one?

**4.OA.3**

**13**

Aaron makes \$987 per week. To the nearest \$1000, how much does he make per month?

**4.OA.3**

**14**

Emily takes 12 cookies to school. She gives 3 to her friend and eats 2 more. How many does she have left?

**4.OA.3**

**15**

Wilma's mother sends her to the grocery store with \$10 to buy milk by the gallon. If milk costs \$3 per gallon and Wilma buys all the milk she can, how much money will she have left over?

**4.OA.3**

**16**

Valerie has 'x' dollars. She spends 4 on lunch, but then she finds a \$5 bill on the ground. Write a mathematical statement to express how many dollars Valerie has now.

**4.OA.3**

**17**

A room is 'L' feet long and 'W' feet wide. If the area is 'A', write a full equation to express the area in terms of 'L' and 'W'.

**4.OA.3**

**18**

Jose's family drives 100 miles to visit his grandparents. If they drive 50 miles per hour, how long will it take to get there?

**4.OA.3**

**19**

Ralph gains 14 pounds over 7 months. How much weight does he gain per month?

**4.OA.3**

**20**

A barrel full of water weighs 473 pounds. 802 barrels of water weigh about 5,000 pounds: true or false.

**4.OA.3**

# Word Problems, Operations, Remainders, and Estimation

# ANSWER KEY

1. <b>4</b>	2. <b><math>b - 5</math></b>	3. <b>15 gallons</b>	4. <b>30,000</b>
5. <b>900</b>	6. <b>20</b>	7. <b><math>2 * x</math></b>	8. <b>3, 5</b>
9. <b><math>m / 4 = 12</math></b>	10. <b>6</b>	11. <b>4,800</b>	12. <b>3, 1</b>
13. <b>\$4,000</b>	14. <b>7</b>	15. <b>\$1</b>	16. <b><math>x - 4 + 5</math></b>
17. <b><math>A = L * W</math></b>	18. <b>2</b>	19. <b>2 pounds</b>	20. <b>False</b>

**1**

List all the  
factors of 12.

4.OA.4

**2**

List all the  
factors of 24.

4.OA.4

**3**

List all the  
factors of 48.

4.OA.4

**4**

List all the  
factors of 18.

4.OA.4

**5**

List all the  
factors of 16.

4.OA.4

**6**

List all the  
factors of 21.

4.OA.4

**7**

List all the  
factors of 35.

4.OA.4

**8**

List all the  
factors of 54.

4.OA.4

**9**

**List the first five multiples of 8.**

**4.OA.4**

**10**

**Which numbers are multiples of 6?**

12, 8, 14, 22, 18, 36

**4.OA.4**

**11**

**Which numbers are multiples of 9?**

35, 18, 72, 48, 54, 21

**4.OA.4**

**12**

**List of first six multiples of 3.**

**4.OA.4**

**13**

List the first five multiples of 7.

4.OA.4

**14**

Which numbers are multiples of 5?

41, 35, 16, 24, 55, 20

4.OA.4

**15**

Which numbers are multiples of 4?

32, 14, 16, 8, 42, 28

4.OA.4

**16**

List of first six multiples of 2.

4.OA.4



**17**

Which numbers are  
composite?

14, 28, 13, 5, 21

**4.OA.4**

**18**

Which numbers are  
prime?

11, 16, 23, 6, 17

**4.OA.4**

**19**

Which numbers are  
prime?

3, 44, 24, 19, 31

**4.OA.4**

**20**

Which numbers are  
composite?

54, 32, 29, 15, 26

**4.OA.4**

# Factors & Multiples

## ANSWER KEY

1. 1, 2, 3, 4, 6, 12	2. 1, 2, 3, 4, 6, 8, 12, 24	3. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48	4. 1, 2, 3, 6, 9, 18
5. 1, 2, 4, 8, 16	6. 1, 3, 7, 21	7. 1, 5, 7, 35	8. 1, 2, 3, 6, 9, 18, 27, 54
9. 8, 16, 24, 32, 40	10. 12, 18, 36	11. 18, 72, 54	12. 3, 6, 9, 12, 15, 18
13. 7, 14, 21, 28, 35	14. 35, 55, 20	15. 32, 16, 8, 28	16. 2, 4, 6, 8, 10, 12
17. 14, 28, 21	18. 11, 23, 17	19. 3, 19, 31	20. 54, 32, 15, 26

**1**

Identify the operation performed on X to get Y.

RULE: \_\_\_\_\_

X	4	5	6	7
Y	8	10	12	14

**4.OA.5****2**

Identify the operation performed on X to get Y.

RULE: \_\_\_\_\_

X	1	4	5	8
Y	5	8	9	12

**4.OA.5****3**

Identify the operation performed on X to get Y.

RULE: \_\_\_\_\_

X	18	17	12	5
Y	15	14	9	2

**4.OA.5****4**

Identify the operation performed on X to get Y.

RULE: \_\_\_\_\_

X	21	15	9	6
Y	7	5	3	2

**4.OA.5**

5

Identify the operation performed on X to get Y.

RULE:

\_\_\_\_\_

X	Y
1	7
5	11
6	12
8	14

4.OA.5

6

Identify the operation performed on X to get Y.

RULE:

\_\_\_\_\_

X	Y
25	5
20	4
15	3
10	2

4.OA.5

7

Identify the operation performed on X to get Y.

RULE:

\_\_\_\_\_

X	Y
2	6
4	12
5	15
7	21

4.OA.5

8

Identify the operation performed on X to get Y.

RULE:

\_\_\_\_\_

X	Y
21	17
19	15
11	7
8	4

4.OA.5

**9**

Fill in the table according to the following rules.

**X: Add 3 to get the next term**

**Y: Add 5 to get the next term**

X	0			
Y	0			

4.OA.5

**10**

Fill in the table according to the following rules.

**X: Add 2 to get the next term**

**Y: Add 4 to get the next term**

X	0			
Y	0			

4.OA.5

**11**

Fill in the table according to the following rules.

**X: Add 4 to get the next term**

**Y: Add 1 to get the next term**

X	0			
Y	0			

4.OA.5

**12**

Fill in the table according to the following rules.

**X: Add 1 to get the next term**

**Y: Add 3 to get the next term**

X	0			
Y	0			

4.OA.5

**13**

Fill in the table according to the following rules.

**X: Add 6 to get the next term**  
**Y: Add 2 to get the next term**

X	Y
0	0

4.OA.5

**14**

Fill in the table according to the following rules.

**X: Add 4 to get the next term**  
**Y: Add 7 to get the next term**

X	Y
0	0

4.OA.5

**15**

Fill in the table according to the following rules.

**X: Add 5 to get the next term**  
**Y: Add 9 to get the next term**

X	Y
0	0

4.OA.5

**16**

Fill in the table according to the following rules.

**X: Add 8 to get the next term**  
**Y: Add 6 to get the next term**

X	Y
0	0

4.OA.5

**17**

Write the rule for each pattern,  
and identify which number  
completes the sequence.

4, 9, 14, \_\_\_\_, 24, 29

**4.OA.5**

**18**

Write the rule for each pattern,  
and identify which number  
completes the sequence.

2, 4, 8, 16, \_\_\_\_, 64

**4.OA.5**

**19**

Write the rule for each pattern,  
and identify which number  
completes the sequence.

150, 125, 100, \_\_\_\_, 50, 25

**4.OA.5**

**20**

Write the rule for each pattern,  
and identify which number  
completes the sequence.

96, 48, \_\_\_\_, 12, 6, 3

**4.OA.5**

# Identifying Patterns & Rules

## ANSWER KEY

1. Multiply by 2	2. Add 4	3. Subtract 3	4. Divide by 3
5. Add 6	6. Divide by 5	7. Multiply by 3	8. Subtract 4
9. X: 0, 3, 6, 9 Y: 0, 5, 10, 15	10. X: 0, 2, 4, 6 Y: 0, 4, 8, 12	11. X: 0, 4, 8, 12 Y: 0, 1, 2, 3	12. X: 0, 1, 2, 3 Y: 0, 3, 6, 9
13. X: 0, 6, 12, 18 Y: 0, 2, 4, 6	14. X: 0, 4, 8, 12 Y: 0, 7, 14, 21	15. X: 0, 5, 10, 15 Y: 0, 9, 18, 27	16. X: 0, 8, 16, 24 Y: 0, 6, 12, 18
17. Rule: Add 5 Number: 19	18. Rule: Multiply by 2 Number: 32	19. Rule: Subtract 25 Number: 75	20. Rule: Divide by 2 Number: 24