

Name:

4.OA.1

Directions: Solve each problem.

Fill in the blanks.

32 is 4 times as many as _____.

20 is 5 times as many as _____.

66 is 11 times as many as _____.

49 is 7 times as many as _____.

Write the statement as a multiplication equation.

18 is 2 times as many as 9

84 is 12 times as many as 7

63 is 7 times as many as 9

Fill in the blanks.

14 is 7 times as many as _____.

55 is 5 times as many as _____.

90 is 9 times as many as _____.

63 is 7 times as many as _____.

Write the statement as a multiplication equation.

24 is 8 times as many as 3

132 is 12 times as many as 11

81 is 9 times as many as 9

Write the multiplicative equation as a multiplicative comparison.

$30 = 6 \times 5$ _____

$28 = 7 \times 4$ _____

Name:

4.OA.1

Multiplication Equations & Comparisons

1. Solve each problem.

27 is 9 times as many as _____.

54 is 6 times as many as _____.

16 is 4 times as many as _____.

36 is 12 times as many as _____.

28 is 4 times as many as _____.

49 is 7 times as many as _____.

2. Write the statement as a multiplication equation.

45 is 5 times as many as 9 _____

33 is 3 times as many as 11 _____

72 is 6 times as many as 12 _____

63 is 9 times as many as 7 _____

40 is 8 times as many as 5 _____

Name:

4.0A.1

Multiplication Equations & Comparisons

1. Solve each problem.

18 is 3 times as many as _____.

64 is 8 times as many as _____.

55 is 11 times as many as _____.

2. Write the statement as a multiplication equation.

48 is 6 times as many as 8 _____

35 is 7 times as many as 5 _____

24 is 4 times as many as 6 _____

3. Write the multiplicative equation as a multiplicative comparison.

$21 = 3 \times 7$ _____

$72 = 9 \times 8$ _____

$14 = 7 \times 2$ _____

Name:

4.OA.2

Directions: Solve each problem.

A restaurant sold 11 times as many hamburgers as they did salads. If they sold 7 salads, how many hamburgers did they sell?

Leonard brought 48 cookies to the party, and Marcus brought 12 cookies to the party. How many times more cookies did Leonard bring than Marcus?

For a candy bar fundraiser, Brad earned 7 dollars, and Andy earned 4 times as much as Brad. How much money did Andy earn?

Leslie collected 6 stamps every month for 8 months. How many stamps did Leslie collect?

A pumpkin patch sold 12 pumpkins on Thursday and 60 pumpkins on Friday. How many times more pumpkins did they sell on Friday than on Thursday?

Name:

4.0A.2

Multiplication & Division Word Problems

- 1. A pumpkin patch sold 6 pumpkins on Thursday and 36 pumpkins on Friday. How many times more pumpkins did they sell on Friday than on Thursday?** _____
- 2. A restaurant sold 27 hamburgers and 9 ice cream cones. How many times more hamburgers were sold than ice cream cones?** _____
- 3. A flower shop has 48 daisies and 12 roses. How many times more daisies are there than roses?** _____
- 4. Jake had soccer practice for 2 hours last month. Jake practiced 8 times more this month. How many hours did Jake practice this month?** _____
- 5. Mitchell bought 7 packs of stickers with 11 stickers in each pack. How many stickers did Mitchell buy?** _____
- 6. Katie collected 8 stamps every month for 4 months. How many stamps did Katie collect?** _____

Name:

4.0A.2

Multiplication & Division Word Problems

- 1. Beth ate 6 pieces of candy on Monday and 24 pieces of candy on Tuesday. How many times more pieces of candy did Beth eat on Tuesday than on Monday?** _____
- 2. For a candy bar fundraiser, Hank earned 9 dollars, and Brice earned 7 times as much as Hank. How much money did Brice earn?** _____
- 3. There are 12 benches at the park. Each bench can hold 4 people. How many people can sit on the benches at the same time?** _____
- 4. Luke collected 11 coins for his coin collection, and Erin collected 44 coins. How many times more coins did Erin collect than Luke?** _____
- 5. Andrew brought 32 brownies to the party, and Alan brought 8 brownies to the party. How many times more brownies did Andrew bring than Alan?** _____
- 6. A restaurant sold 12 times as many pizzas as they did salads. If they sold 8 salads, how many pizzas did they sell?** _____

Name:

4.OA.3

Directions: Solve each problem.

A classroom of 27 students orders 11 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?

Barbara has an unknown number of marbles, 'm'. She gives them all away to 6 friends who each get 4. Write both sides of this equation, using 'm' as a variable.

Ron's family spends \$405 per month on gasoline. Approximately how much would Ron's family spend on gasoline every 365 days? (\$480, \$4,800, or \$48,000)

Washington Elementary is going to the zoo. The school has 356 students and 25 teachers who are going on the field trip. If each bus, can hold 72 passengers. How many busses will they need for their field trip?

Walter's mother sends him to the grocery store with \$22 to buy milk by the gallon. If milk costs \$3 per gallon and Walter buys all the milk he can, how much money will he have left over?

Name:

4.0A.3

Multistep Word Problems

1. Rosemary drives 6 miles in 9 minutes. If she makes this drive 3 times per day, how many miles does she drive every day? _____

2. Stephanie has an unknown number of marbles, 'm'. She gives them all away to 5 friends who each get 8. Write both sides of this equation, using 'm' as a variable. _____

3. Lewis's family spends \$296 per month on groceries. Approximately how much would Lewis' family spend on groceries every 365 days? (\$3,600, \$36,000, or \$360,000) _____

4. Mrs. McNair works as a seamstress making clothes. She can make 2 outfits in 3 hours. If she works for 9 hours, how many whole outfits can she make? _____

5. Charles' mother sends him to the grocery store with \$17 to buy milk by the gallon. If milk costs \$3 per gallon and Charles buys all the milk he can, how much money will he have leftover? _____

Name:

4.0A.3

Multistep Word Problems

1. A 55-gallon barrel is filled with water. It leaks out at a rate of 3 gallons per minute. How much water will be left in the barrel after 12 minutes?

2. A horse weighs 2,145 pounds. Without doing any calculations, determine whether 6 horses would weigh closer to 12,000 pounds or 20,000 pounds.

3. Dan gained 18 pounds over 6 months. How much weight did he gain per month?

4. Bonnie and her 7 friends run a relay race totaling 21,349 feet. Each girl ran about (300, 3,000, or 30,000) feet.

5. A classroom of 23 students orders 9 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?

Name:

4.OA.4

Directions: Solve each problem.

List all the factors for the following numbers.

18 _____

36 _____

23 _____

40 _____

List the first five multiples for each number.

7 _____

4 _____

14 _____

19 _____

List all the factors for the following numbers.

44 _____

56 _____

9 _____

60 _____

List the first five multiples for each number.

8 _____

3 _____

24 _____

11 _____

Circle all of the composite numbers and put boxes around all of the prime numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Name:

4.OA.4

Factors & Multiples

1. List all the factors for the following numbers.

12 _____

49 _____

28 _____

54 _____

30 _____

24 _____

2. List the first five multiples for each number.

6 _____

11 _____

5 _____

13 _____

8 _____

15 _____

Name:

4.OA.4

Prime & Composite

1. Circle all of the composite numbers and put boxes around all of the prime numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Name:

4.OA.5

Directions: Solve each problem.

Complete each pattern.

Start at 14 and create a pattern with the rule add 9.

____, _____, _____, _____, _____

Start at 87 and create a pattern with the rule subtract 6.

____, _____, _____, _____, _____

Complete each pattern.

Start at 8 and create a pattern with the rule add 13.

____, _____, _____, _____, _____

Start at 62 and create a pattern with the rule subtract 7.

____, _____, _____, _____, _____

Write the rule for each pattern, and complete each pattern.

97, 92, 87, 82, _____, _____

Rule: _____

15, 28, 41, 54, _____, _____

Rule: _____

Write the rule for each pattern, and complete each pattern.

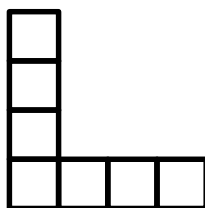
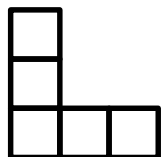
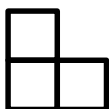
109, 101, 93, 85, _____, _____

Rule: _____

27, 31, 35, 39, _____, _____

Rule: _____

Draw the next figure in the pattern.



Name:

4.0A.5

Number Patterns

1. Complete each pattern.

Start at 17 and create a pattern with the rule add 4.

____, _____, _____, _____, _____, _____

Start at 73 and create a pattern with the rule subtract 9.

____, _____, _____, _____, _____, _____

Start at 26 and create a pattern with the rule add 12.

____, _____, _____, _____, _____, _____

Start at 95 and create a pattern with the rule subtract 17.

____, _____, _____, _____, _____, _____

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

72, 66, 60, 54, _____, _____

Rule: _____

19, 32, 45, 58, _____, _____

Rule: _____

37, 46, 55, 64, _____, _____

Rule: _____

84, 71, 58, 45, _____, _____

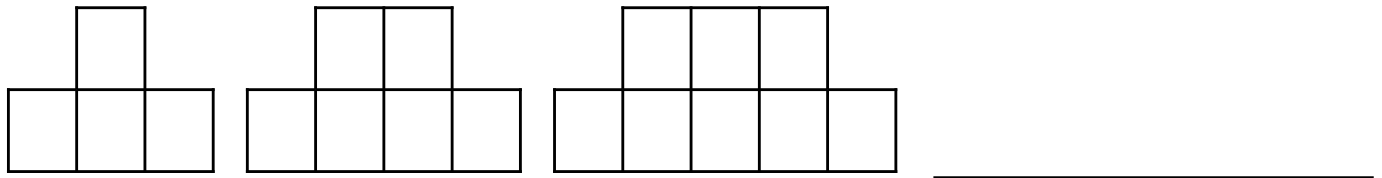
Rule: _____

Name:

4.0A.5

Number Patterns

1. Draw the next figure in the pattern.



2. Create your own shape pattern.

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

81, 75, 69, 63, _____, _____

Rule: _____

4. Create your own number patterns.

____ / ____ / ____ / ____ / ____ / ____

Rule: _____

____ / ____ / ____ / ____ / ____ / ____

Rule: _____

Name:

OA Test

Operations & Algebraic Thinking Test

4.0A.1

Fill in the blanks.

40 is 5 times as many as _____.

33 is 3 times as many as _____.

72 is 8 times as many as _____.

4.0A.1

Write the statement as a multiplication equation.

27 is 9 times as many as 3

14 is 7 times as many as 2

4.0A.2

An ice cream shop sold 12 times as many chocolate cones as they did vanilla cones. If they sold 5 vanilla cones, how many chocolate cones did they sell?

4.0A.2

Farmer Joel sold 8 bushels of blueberries on Monday and 32 bushels of blueberries on Tuesday. How many times more blueberries did Joel sell on Tuesday than on Monday?

4.0A.2

For a candy bar fundraiser, Suzie earned 6 dollars, and Leslie earned 5 times as much as Suzie. How much money did Leslie earn?

4.0A.3

A classroom of 23 students orders 13 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?

Name:

OA Test

Operations & Algebraic Thinking Test

4.OA.3

Jefferson Elementary is going to the zoo. The school has 386 students and 27 teachers who are going on the field trip. If each bus, can hold 72 passengers. How many busses will they need for their field trip?

4.OA.3

List all the factors for the following numbers.

16 _____

40 _____

28 _____

4.OA.4

List the first five multiples for each number.

6 _____

3 _____

17 _____

4.OA.4

Write five prime numbers and five composite numbers.

Prime _____

Composite _____

4.OA.5

Write the rule for each pattern, and complete each pattern.

85, 78, 71, 64, _____, _____

Rule: _____

19, 35, 51, 67, _____, _____

Rule: _____

4.OA.5

Draw the next figure in the pattern.

