

Factors and Multiples

Exit Ticket 3.1: Facts through 12×12



Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{\quad}$$

$$11 \times 5 = \underline{\quad}$$

2. Divide.

$$72 \div 12 = \underline{\quad}$$

$$99 \div 11 = \underline{\quad}$$

I can multiply and
divide with 11s and 12s.



Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{\quad}$$

$$11 \times 5 = \underline{\quad}$$

2. Divide.

$$72 \div 12 = \underline{\quad}$$

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I can multiply and
divide with 11s and 12s.



Factors and Multiples

Exit Ticket 3.2: Multiplication as comparison



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

_____ = _____ × _____

2. Finish the sentence for the equation.

45 = 3 × 15

45 is _____ times as many as _____

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

_____ = _____ × _____

2. Finish the sentence for the equation.

45 = 3 × 15

45 is _____ times as many as _____

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

_____ = _____ × _____

2. Finish the sentence for the equation.

45 = 3 × 15

45 is _____ times as many as _____

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

_____ = _____ × _____

2. Finish the sentence for the equation.

45 = 3 × 15

45 is _____ times as many as _____

I can write a times as many
sentence as an equation.



Factors and Multiples

Exit Ticket 3.3: Times as many stories



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?

Bean

13

Corn

13	13	13	13	13
----	----	----	----	----

c
c = _____ inches

2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = _____ times

I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?

Bean

13

Corn

13	13	13	13	13
----	----	----	----	----

c
c = _____ inches

2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = _____ times

I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?

Bean

13

Corn

13	13	13	13	13
----	----	----	----	----

c
c = _____ inches

2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = _____ times

I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?

Bean

13

Corn

13	13	13	13	13
----	----	----	----	----

c
c = _____ inches

2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = _____ times

I can solve times
as many stories.



Factors and Multiples

Exit Ticket 3.4: Times as many or how many more?



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has _____ shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has _____ shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has _____ shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has _____ shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has _____ shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has _____ shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has _____ shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has _____ shells

I can tell times as many
from how many more.



Factors and Multiples

Exit Ticket 3.5: Factor pairs and rectangles



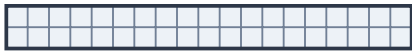
Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.



_____ × _____

2. Write every factor pair of 38. You may not need every line.



_____ × _____

_____ × _____

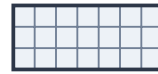
_____ × _____

I can find factor pairs from rectangles.



Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.



_____ × _____

2. Write every factor pair of 38. You may not need every line.



_____ × _____

_____ × _____

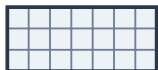
_____ × _____

I can find factor pairs from rectangles.



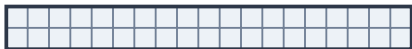
Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.



_____ × _____

2. Write every factor pair of 38. You may not need every line.



_____ × _____

_____ × _____

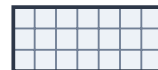
_____ × _____

I can find factor pairs from rectangles.



Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.



_____ × _____

2. Write every factor pair of 38. You may not need every line.



_____ × _____

_____ × _____

_____ × _____

I can find factor pairs from rectangles.



Factors and Multiples

Exit Ticket 3.6: All the factor pairs



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

You may
not need
every row.

2. Circle Yes or No.

Is 6 a factor of 92? Yes No

Is 8 a factor of 56? Yes No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

You may
not need
every row.

2. Circle Yes or No.

Is 6 a factor of 92? Yes No

Is 8 a factor of 56? Yes No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

You may
not need
every row.

2. Circle Yes or No.

Is 6 a factor of 92? Yes No

Is 8 a factor of 56? Yes No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

You may
not need
every row.

2. Circle Yes or No.

Is 6 a factor of 92? Yes No

Is 8 a factor of 56? Yes No

I can find every factor
pair of a number.



Factors and Multiples

Exit Ticket 3.7: Multiples



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27 30 36 45

2. Circle Yes or No.

Is 84 a multiple of 7? Yes No

Is 94 a multiple of 6? Yes No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27 30 36 45

2. Circle Yes or No.

Is 84 a multiple of 7? Yes No

Is 94 a multiple of 6? Yes No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27 30 36 45

2. Circle Yes or No.

Is 84 a multiple of 7? Yes No

Is 94 a multiple of 6? Yes No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27 30 36 45

2. Circle Yes or No.

Is 84 a multiple of 7? Yes No

Is 94 a multiple of 6? Yes No

I can tell if a number is
a multiple of another.



Factors and Multiples

Exit Ticket 3.8: Prime and composite numbers



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

85 = ____ × ____

I can tell if a number
is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

85 = ____ × ____

I can tell if a number
is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

85 = ____ × ____

I can tell if a number
is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

85 = ____ × ____

I can tell if a number
is prime or composite.



Factors and Multiples

Exit Ticket 3.9: Common factors and the GCF



Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

2. Circle the greatest common factor of 27 and 45.

3 5 9 15

I can find the greatest common factor.



Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

2. Circle the greatest common factor of 27 and 45.

3 5 9 15

I can find the greatest common factor.



Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

2. Circle the greatest common factor of 27 and 45.

3 5 9 15

I can find the greatest common factor.



Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

2. Circle the greatest common factor of 27 and 45.

3 5 9 15

I can find the greatest common factor.



Factors and Multiples

Exit Ticket 3.1: Facts through 12×12

Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{36}$$

$$11 \times 5 = \underline{55}$$

2. Divide.

$$72 \div 12 = \underline{6}$$

$$99 \div 11 = \underline{9}$$

I can multiply and
divide with 11s and 12s.

Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{36}$$

$$11 \times 5 = \underline{55}$$

2. Divide.

$$72 \div 12 = \underline{6}$$

$$99 \div 11 = \underline{9}$$

I can multiply and
divide with 11s and 12s.

Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{36}$$

$$11 \times 5 = \underline{55}$$

2. Divide.

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divide with 11s and 12s.

Name _____ Exit Ticket 3.1

1. Multiply.

$$3 \times 12 = \underline{36}$$

$$11 \times 5 = \underline{55}$$

2. Divide.

$$72 \div 12 = \underline{6}$$

$$99 \div 11 = \underline{9}$$

I can multiply and
divide with 11s and 12s.

Factors and Multiples

Exit Ticket 3.2: Multiplication as comparison

Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

$$\underline{72} = \underline{4} \times \underline{18}$$

Factors in either order

2. Finish the sentence for the equation.

$$45 = 3 \times 15$$

45 is 3 times as many as 15

Either order

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

$$\underline{72} = \underline{4} \times \underline{18}$$

Factors in either order

2. Finish the sentence for the equation.

$$45 = 3 \times 15$$

45 is 3 times as many as 15

Either order

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

$$\underline{72} = \underline{4} \times \underline{18}$$

Factors in either order

2. Finish the sentence for the equation.

$$45 = 3 \times 15$$

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Either order

I can write a times as many
sentence as an equation.



Name _____ Exit Ticket 3.2

1. Write an equation for the sentence.

72 is 4 times as many as 18.

$$\underline{72} = \underline{4} \times \underline{18}$$

Factors in either order

2. Finish the sentence for the equation.

$$45 = 3 \times 15$$

45 is 3 times as many as 15

Either order

I can write a times as many
sentence as an equation.



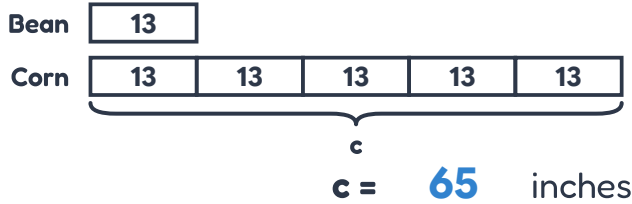
Factors and Multiples

Exit Ticket 3.3: Times as many stories

Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?



2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = **3** times

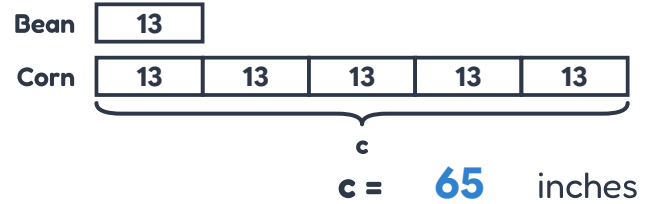
I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?



2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = **3** times

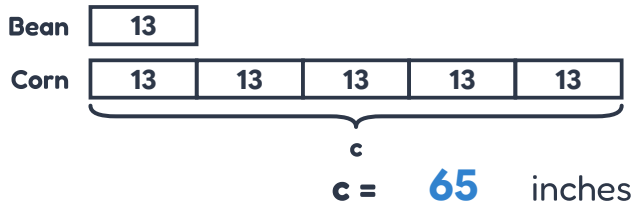
I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?



2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = **3** times

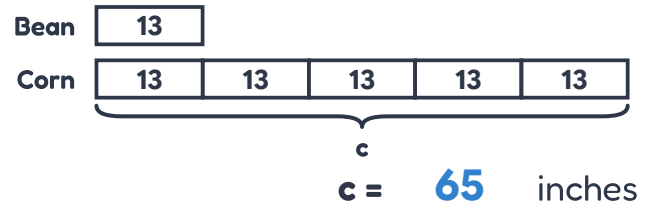
I can solve times
as many stories.



Name _____ Exit Ticket 3.3

1. Use the strip diagram. Find c.

A bean plant is **13** inches tall. A corn plant is **5** times as tall. How tall is it?



2. Solve.

A cat is **13** pounds. A dog is **39** pounds. How many times as heavy is the dog?

t = **3** times

I can solve times
as many stories.



Factors and Multiples

Exit Ticket 3.4: Times as many or how many more?



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has **15** shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has **36** shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has **15** shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has **36** shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has **15** shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has **36** shells

I can tell times as many
from how many more.



Name _____ Exit Ticket 3.4

1. Add or multiply? Solve.

Mia has **12** shells. Leo has **3** more shells than Mia. How many shells does Leo have?

Leo has **15** shells

2. Add or multiply? Solve.

Mia has **12** shells. Zoe has **3** times as many shells as Mia. How many does Zoe have?

Zoe has **36** shells

I can tell times as many
from how many more.



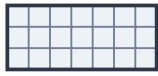
Factors and Multiples

Exit Ticket 3.5: Factor pairs and rectangles

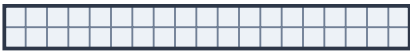


Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.

Either order 3 × 7

2. Write every factor pair of 38. You may not need every line.

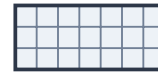
1 × 38 2 × 19

Either order _____ × _____

I can find factor pairs
from rectangles.

Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.

Either order 3 × 7

2. Write every factor pair of 38. You may not need every line.

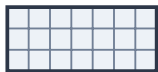
1 × 38 2 × 19

Either order _____ × _____

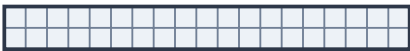
I can find factor pairs
from rectangles.

Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.

Either order 3 × 7

2. Write every factor pair of 38. You may not need every line.

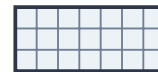
1 × 38 2 × 19

Either order _____ × _____

I can find factor pairs
from rectangles.

Name _____ Exit Ticket 3.5

1. Write the rectangle's factor pair.

Either order 3 × 7

2. Write every factor pair of 38. You may not need every line.

1 × 38 2 × 19

Either order _____ × _____

I can find factor pairs
from rectangles.

Factors and Multiples

Exit Ticket 3.6: All the factor pairs

Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
1	42
2	21
3	14
6	7

You may
not need
every row.

Any order

2. Circle Yes or No.

Is 6 a factor of 92? Yes ☐ No ☒

Is 8 a factor of 56? ☒ Yes ☐ No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
1	42
2	21
3	14
6	7

You may
not need
every row.

Any order

2. Circle Yes or No.

Is 6 a factor of 92? Yes ☐ No ☒

Is 8 a factor of 56? ☒ Yes ☐ No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
1	42
2	21
3	14
6	7

You may
not need
every row.

Any order

2. Circle Yes or No.

Is 6 a factor of 92? Yes ☐ No ☒

Is 8 a factor of 56? ☒ Yes ☐ No

I can find every factor
pair of a number.



Name _____ Exit Ticket 3.6

1. Write every factor pair of 42.

Factor	Factor
1	42
2	21
3	14
6	7

You may
not need
every row.

Any order

2. Circle Yes or No.

Is 6 a factor of 92? Yes ☐ No ☒

Is 8 a factor of 56? ☒ Yes ☐ No

I can find every factor
pair of a number.



Factors and Multiples

Exit Ticket 3.7: Multiples



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27	30	33	36	39	42	45	48
----	----	----	----	----	----	----	----

2. Circle Yes or No.

Is 84 a multiple of 7? ☒ Yes ☐ NoIs 94 a multiple of 6? ☐ Yes ☒ No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27	30	33	36	39	42	45	48
----	----	----	----	----	----	----	----

2. Circle Yes or No.

Is 84 a multiple of 7? ☒ Yes ☐ NoIs 94 a multiple of 6? ☐ Yes ☒ No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27	30	33	36	39	42	45	48
----	----	----	----	----	----	----	----

2. Circle Yes or No.

Is 84 a multiple of 7? ☒ Yes ☐ NoIs 94 a multiple of 6? ☐ Yes ☒ No

I can tell if a number is
a multiple of another.



Name _____ Exit Ticket 3.7

1. Skip count by 3s. Write the missing multiples.

27	30	33	36	39	42	45	48
----	----	----	----	----	----	----	----

2. Circle Yes or No.

Is 84 a multiple of 7? ☒ Yes ☐ NoIs 94 a multiple of 6? ☐ Yes ☒ No

I can tell if a number is
a multiple of another.



Factors and Multiples

Exit Ticket 3.8: Prime and composite numbers



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

$$85 = 5 \times 17$$

One way

I can tell if a number is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

$$85 = 5 \times 17$$

One way

I can tell if a number is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

$$85 = 5 \times 17$$

One way

I can tell if a number is prime or composite.



Name _____ Exit Ticket 3.8

1. Circle the prime numbers.

17 26 31
34 89 95

2. Write a factor pair that shows 85 is composite.

$$85 = 5 \times 17$$

One way

I can tell if a number is prime or composite.



Factors and Multiples

Exit Ticket 3.9: Common factors and the GCF

Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

1, 2, 4

2. Circle the greatest common factor of 27 and 45.

3

5

9

15

I can find the greatest common factor.



Name _____ Exit Ticket 3.9

1. Write every common factor of 20 and 32.

1, 2, 4

2. Circle the greatest common factor of 27 and 45.

3

5

9

15

I can find the greatest common factor.



Name _____ Exit Ticket 3.9

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