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Learning Target: I will factor linear expressions

## Session 1: Guided Practice (We Do)

## Materials:

$>$ Algebra Tiles ( 1 set from p. 13 and p. 14: $20+1$-tiles, $20-1$-tiles, $16+x$-tiles and $16+x$-tiles per student)
> Multiplication/Factor Mat (1 per student)
We Do Together: (Teacher Actions)
> Say, build and factor each linear expression to find both products.

Problem type A: When the coefficient is a factor of the constant, such as $2 x+8$.

| 1. | 2. |
| :--- | :--- |
|  | $4 x+12$ |
|  |  |
|  |  |

Problem type B: When the coefficient is not a factor of the constant, such as $8 x+12$.

| 3. | 4. |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

MATH
Name $\qquad$
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Learning Target: I will factor linear expressions

## Session 1: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression.


## Quick Check - Form A

Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions.

Directions: Write the equivalent factored expression. (Work time: 5 minutes)


## Growth Chart

Name
Date

Learning Target: I will factor linear expressions.
Goal: 5 out of 6 correct


| Intervention | Date | Score |
| :--- | :--- | :--- |
| Guided Review |  |  |
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Learning Target: I will factor linear expressions

## Session 2: Guided Practice (We Do)

## Materials:

$>$ Algebra Tiles ( 1 set from p. 13 and p. 14: $20+1$-tiles, $20-1$-tiles, $16+x$-tiles and $16+x$-tiles per student)
> Multiplication/Factor Mat (1 per student)
We Do Together: (Teacher Actions)
> Say, build and factor each linear expression to find both products.

Problem type A: When the coefficient is a factor of the constant, such as $2 x+8$.

| 1. | 2. |
| :--- | :--- |
|  |  |
|  |  |
|  |  |

Problem type B: When the coefficient is not a factor of the constant, such as $8 x+12$.

| 3. | 4. |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  | $-4 x+14$ |

MATH
Name $\qquad$
$\qquad$
Learning Target: I will factor linear expressions

## Session 2: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression.

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Learning Target: I will factor linear expressions.
Directions: Write the equivalent factored expression. (Work time: 5 minutes)

| 1. | 2. |  |
| :--- | :--- | :--- |

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Learning Target: I will factor linear expressions

## Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Say, draw and factor each linear expression using a math drawing.

Note: The width is the
greatest common factor of the coefficient and the constant.


MATH $\qquad$
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Learning Target: I will factor linear expressions

## Session 3: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression using a math drawing.

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Learning Target: I will factor linear expressions

## Session 3: Guided Practice (We Do - Teacher Notes)

We Do Together: (Teacher Actions)
> Say, draw and factor each linear expression using a math drawing.

Note: The width is the greatest common factor of the coefficient and the constant.


- Re-write the linear expression using the "add the opposite to subtract" strategy
- The width is the greatest common factor of the coefficient and the constant
- Find the length by creating equal groups
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Learning Target: I will factor linear expressions.
Directions: Write the equivalent factored expression. (Work time: 5 minutes)

| 1. | 2. |  |
| :--- | :--- | :--- |

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Learning Target: I will factor linear expressions

## Session 4: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Say, draw and factor each linear expression using a math drawing.

Note: The width is the greatest common factor of the coefficient and the constant.


M TTH $\qquad$
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Learning Target: I will factor linear expressions

## Session 4: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression using a math drawing.

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Learning Target: I will d factor linear expressions.

Directions: Write the equivalent factored expression. (Work time: 5 minutes)

| 1. | 2. |  |
| :--- | :--- | :--- |

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Learning Target: I will factor linear expressions

## Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Say, draw and factor each linear expression using a math drawing.
Note: The width is the greatest common factor of the coefficient and the constant.


Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions

## Session 5: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
$>$ Students take turns leading to factor each linear expression using a math drawing.


## Quick Check - Form E

Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions.

Directions: Write the equivalent factored expression. (Work time: 5 minutes)

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Learning Target: I will factor linear expressions

## Session 6: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Factor each linear expression.

| 1. | 2. |  |
| :--- | :--- | :--- |
|  | $15 x+5$ | $14 x-7$ |
|  |  |  |
| $3 x-12$ | 4. | $15 x-9$ |
|  |  |  |

Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions

## Session 6: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression.

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Learning Target: I will factor linear expressions.
Directions: Write the equivalent factored expression. (Work time: 5 minutes)

| 1. | 2. |  |
| :--- | :--- | :--- |

M $\triangle$ TH
Name Date $\qquad$
Learning Target: I will factor linear expressions

## Session 7: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Factor each linear expression.

| 1. | $20 x+5$ | $21 x-7$ |
| :--- | :--- | :--- |
|  |  |  |
| 3.20 | 4. | $21 x-6$ |
|  |  |  |
|  |  |  |
|  |  |  |

Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions

## Session 7: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression.

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Learning Target: I will factor linear expressions.

Directions: Write the equivalent factored expression. (Work time: 5 minutes)


Name Date $\qquad$
Learning Target: I will factor linear expressions

## Session 8: Guided Practice (We Do)

We Do Together: (Teacher Actions)
> Factor each linear expression.


Name $\qquad$ Date $\qquad$

Learning Target: I will factor linear expressions

## Session 8: Guided Practice (We Do - Continued)

You Do Together: (As a class, or in small groups)
> Students take turns leading to factor each linear expression.

| 5. | $18 x+12$ | 6. | $8 x-20$ |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 7. | $28 x-8$ | 8. | $30 x+6$ |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 9. | $16 x-12$ | 10. | $32 x-24$ |
|  |  |  |  |
|  |  |  |  |
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## Quick Check - Form H

Name $\qquad$ Date $\qquad$

Learning Target: I will d factor linear expressions.

Directions: Write the equivalent factored expression. (Work time: 5 minutes)


