

Expressions and Equations

Exit Ticket 5.1: Parentheses first

Name _____ Exit Ticket 5.1

1. Find each value.

$$(36 \div 4) + 5 = \underline{\hspace{2cm}}$$

$$36 \div (4 + 5) = \underline{\hspace{2cm}}$$

2. Find the value. Show the step.

$$\begin{aligned} 8 \times (13 - 6) &= \underline{\hspace{2cm}} \\ &= \underline{\hspace{2cm}} \end{aligned}$$

I can work inside
parentheses first.



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Expressions and Equations

Exit Ticket 5.2: The order of operations



Name _____ Exit Ticket 5.2

1. Number the operations 1, 2, 3 in the order you do them. Then find the value.


 $48 - 36 \div 4 + 2 = \underline{\hspace{2cm}}$

2. Find each value.

$$72 \div 9 \times 2 = \underline{\hspace{2cm}}$$

$$50 - 14 + 6 = \underline{\hspace{2cm}}$$

I can multiply and divide
before I add and subtract.



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Expressions and Equations

Exit Ticket 5.3: Brackets and braces



Name _____ Exit Ticket 5.3

1. Find the value. Show your work.

$$4 \times [20 - (3 + 9)]$$

= _____

2. Find the value. Show your work.

$$50 - \{4 \times [3 + (10 - 6)]\}$$

= _____

I can work from the inside
out with brackets and braces.



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Expressions and Equations

Exit Ticket 5.4: Write and compare expressions



Name _____ Exit Ticket 5.4

1. Write an expression for the words. Do not find the value.

Add 14 and 6, then multiply by 3.

2. Fill in the blank without finding the values.

$$8 \times (2,618 + 395)$$

is _____ times as large as

$$4 \times (2,618 + 395)$$

I can write an expression and compare without working it out.



Name _____ Exit Ticket 5.4

1. Write an expression for the words. Do not find the value.

Add 14 and 6, then multiply by 3.

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Expressions and Equations

Exit Ticket 5.5: True or false? Where do the parentheses go?



Name _____ Exit Ticket 5.5

1. Is each equation true when $n = 5$?
Circle True or False.

$6 \times (n + 3) = 48$ True False

$(n + 15) \div 4 = 4$ True False

2. Add one pair of parentheses to make the equation true.

$3 + 5 \times 4 - 2 = 30$

I can tell if an equation is true and place parentheses.



Name _____ Exit Ticket 5.5

1. Is each equation true when $n = 5$?
Circle True or False.

$6 \times (n + 3) = 48$ True False

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Expressions and Equations

Exit Ticket 5.6: Equivalent expressions



Name _____ Exit Ticket 5.6

1. Write the missing number.

$$25 \times 13 \times 4 = 25 \times 4 \times \underline{\hspace{2cm}}$$

$$(37 + 18) + 2 = 37 + (\underline{\hspace{2cm}} + 2)$$

2. Circle the expression equal to 6×58 .

$$6 \times 50 + 8$$

$$6 \times 50 + 6 \times 8$$

$$6 \times 5 + 6 \times 8$$

I can use the properties to write equal expressions.



Name _____ Exit Ticket 5.6

1. Write the missing number.

$$25 \times 13 \times 4 = 25 \times 4 \times \underline{\hspace{2cm}}$$

$$(37 + 18) + 2 = 37 + (\underline{\hspace{2cm}} + 2)$$

2. Circle the expression equal to 6×58 .

$$6 \times 50 + 8$$

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$$(37 + 18) + 2 = 37 + (\underline{\hspace{2cm}} + 2)$$

2. Circle the expression equal to 6×58 .

$$6 \times 50 + 8$$

$$6 \times 50 + 6 \times 8$$

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I can use the properties to write equal expressions.



Expressions and Equations

Exit Ticket 5.7: Variables



Name _____ Exit Ticket 5.7

1. Write an expression for the words.
Then find its value when $n = 9$.

4 less than 6 times a number n

Expression _____

Value _____

2. A shop sold 38 hats and has 115 left.
Write an equation with h for the hats
it had at first. Then solve.

Equation _____

$h =$ _____ hats

I can write and evaluate
expressions with a letter.



Name _____ Exit Ticket 5.7

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Then find its value when $n = 9$.

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Expressions and Equations

Exit Ticket 5.8: Multi-step stories with a letter



Name _____ Exit Ticket 5.8

1. A school buys 14 packs of 24 pens. It keeps 96 and shares the rest equally among 8 classes. Write an equation with p for the pens each class gets.

Equation _____

2. Solve your equation. Show your work.

$p =$ _____ pens

I can write and solve
an equation for a story.



Name _____ Exit Ticket 5.8

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Expressions and Equations

Exit Ticket 5.1: Parentheses first

Name _____ Exit Ticket 5.1

1. Find each value.

$$(36 \div 4) + 5 = \underline{14}$$

$$36 \div (4 + 5) = \underline{4}$$

2. Find the value. Show the step.

$$\begin{aligned} 8 \times (13 - 6) &= \underline{8 \times 7} \\ &= \underline{56} \end{aligned}$$

I can work inside
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Expressions and Equations

Exit Ticket 5.2: The order of operations

Name _____ Exit Ticket 5.2

1. Number the operations 1, 2, 3 in the order you do them. Then find the value.

$$\begin{array}{ccccccc} \textcircled{2} & & \textcircled{1} & & \textcircled{3} & & \\ | & & | & & | & & \\ 48 - 36 \div 4 + 2 = & \underline{41} \end{array}$$

2. Find each value.

$$72 \div 9 \times 2 = \underline{16}$$

$$50 - 14 + 6 = \underline{42}$$

I can multiply and divide
before I add and subtract.



Name _____ Exit Ticket 5.2

1. Number the operations 1, 2, 3 in the order you do them. Then find the value.

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Expressions and Equations

Exit Ticket 5.3: Brackets and braces

Name _____ Exit Ticket 5.3

1. Find the value. Show your work.

$$4 \times [20 - (3 + 9)]$$

$$= 4 \times [20 - 12]$$

$$= 4 \times 8 = \underline{32}$$

2. Find the value. Show your work.

$$50 - \{4 \times [3 + (10 - 6)]\}$$

$$= 50 - \{4 \times [3 + 4]\}$$

$$= 50 - \{4 \times 7\}$$

$$= 50 - 28 = \underline{22}$$

I can work from the inside
out with brackets and braces.

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Expressions and Equations

Exit Ticket 5.4: Write and compare expressions



Name _____ Exit Ticket 5.4

1. Write an expression for the words. Do not find the value.

Add 14 and 6, then multiply by 3.

$(14 + 6) \times 3$ One way

2. Fill in the blank without finding the values.

$8 \times (2,618 + 395)$

is 2 times as large as

$4 \times (2,618 + 395)$

I can write an expression and compare without working it out.



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Expressions and Equations

Exit Ticket 5.5: True or false? Where do the parentheses go?

Name _____ Exit Ticket 5.5

1. Is each equation true when $n = 5$?
Circle True or False.

$6 \times (n + 3) = 48$ ☒ True ☐ False

$(n + 15) \div 4 = 4$ ☐ True ☒ False

2. Add one pair of parentheses to make the equation true.

$(3 + 5) \times 4 - 2 = 30$

I can tell if an equation is true and place parentheses.



Name _____ Exit Ticket 5.5

1. Is each equation true when $n = 5$?
Circle True or False.

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Expressions and Equations

Exit Ticket 5.6: Equivalent expressions

Name _____ Exit Ticket 5.6

1. Write the missing number.

$$25 \times 13 \times 4 = 25 \times 4 \times \underline{13}$$

$$(37 + 18) + 2 = 37 + (\underline{18} + 2)$$

2. Circle the expression equal to 6×58 .

$$6 \times 50 + 8$$

$$\boxed{6 \times 50 + 6 \times 8}$$

$$6 \times 5 + 6 \times 8$$

I can use the properties to write equal expressions.



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$$(37 + 18) + 2 = 37 + (\underline{18} + 2)$$

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$$\boxed{6 \times 50 + 6 \times 8}$$

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I can use the properties to write equal expressions.



Expressions and Equations

Exit Ticket 5.7: Variables



Name _____ Exit Ticket 5.7

1. Write an expression for the words.
Then find its value when $n = 9$.

4 less than 6 times a number n

Expression $6 \times n - 4$ One way

Value 50

2. A shop sold 38 hats and has 115 left.
Write an equation with h for the hats
it had at first. Then solve.

Equation $h - 38 = 115$
One way $h = 153$ hats

I can write and evaluate
expressions with a letter.



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Equation $h - 38 = 115$
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Expressions and Equations

Exit Ticket 5.8: Multi-step stories with a letter



Name _____ Exit Ticket 5.8

1. A school buys 14 packs of 24 pens. It keeps 96 and shares the rest equally among 8 classes. Write an equation with p for the pens each class gets.

Equation $(14 \times 24 - 96) \div 8 = p$
One way

2. Solve your equation. Show your work.

$$14 \times 24 = 336$$

$$336 - 96 = 240$$

$$240 \div 8 = 30$$

$$p = 30 \text{ pens}$$

I can write and solve
an equation for a story.



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Equation $(14 \times 24 - 96) \div 8 = p$
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One way

2. Solve your equation. Show your work.

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$$336 - 96 = 240$$

$$240 \div 8 = 30$$

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2. Solve your equation. Show your work.

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