

## WPITANB BXPBCSSIODS



WP(ABME EXPRESSiOns
Glue the yellow sheet onto page 7! Write the words
we highlighted into the appropriate operation symbol.


## Glue the white page onto Page 8!

Essential Question:
How dol Iransate verbal sentences into
expressions and equations?

## Vocabulary:






# Check your answers at @MskMath <br> twitter <br> HW will be checked tomorrow at the BEGINNNN of class! 

Algebra I - Unit 1: Topic 1 - Writing Expressions and Equations
Practice - Writing Expressions and Equations
Name $\qquad$ Date $\qquad$ Pd. $\qquad$

1. Raquel earns $\$ 150$ per week at Forever $2 \perp$ plus $15 \%$ commIssion on her total sales.
A. Write an expression to represent Raquel's commission on $x$ total sales
B. Write an equation to find her total sales if her total earnings for the last two weeks were $\$ 500$.
2. Angelina rents a bounce house for a birthday party for a delivery fee of $\$ 100$ plus a rental fee of 20 per hour
A. Write an expression for the cost of renting the bounce house for x , the number of hours,
B. Write an equation if the total charge was $\$ 220$
3. Nate has written 4 paragraphs of an essay for his Fnglish cilass so far. He can write a paragraph every $\frac{2}{3}$ of an hour. Write an expression for the number of paragraphs in Nate's essay after $h$,
hours.
4. Two angles are complementary. The larger angle is 6 more than twice the smaller angle. Write an equation to find the measure of each angle. (Hint: Draw a picture)
5. Biock is six feel lall. He climbs a ladder to painh some trim on his house. For each rung that he Cimbs, Brock is 1.2 feet higher above the ground. Which expression could you use to calculate the distance from the top of Rrock's head to the ground if $r$ represents the number of ladder nungs he has climbed?
A $1.2 r+6$
B 1.2

An objects weight on Mars is $38 \%$ of il's weight on Earth. If anl object weighis $p$, pounds on Earth, Write an expression tor its weight on Mars.
7. Which situation is best represented by the algebraic expression $200-\frac{X}{4}$ ?

A Renee earned $\$ 200$ creating a website and a $20 \%$ advance on the next website she reates for the same company
B Joc had $\$ 200$ and spent a fourth of it on a Hawaiian Falls season pass Skip is watching his calorie intake. He ate a 200 calorie breakfast bar and shared a pizza with 3 of his friends.
D) There is a $\$ 200$ set up fee for making $T$-shirts and a fourth of the cost is split hetween anyone ordering a shirt.

Essential Ouestion: How dol translate verbal sentences into expressions and equations?
Make sure you SHOWED YOUR WORK by highlighting/underlining your important words! NO WORK = NO CREDIT = NO KIDDING!
$\begin{array}{ll}\text { 1. A. } 150+0.15 x & \text { B. } 300+0.15 x=500\end{array}$
2. A. $100+20 x$
B. $100+20 x=220$
3. $4+(2 / 3) h$
4. $x+6+2 x=90$ BONUS: how could you simplify this equation?
5. A
6. 0.38 p
7.C

