Name:

DAY 2 – More Translating English to Math

ranslate into TWO algebraic equations. Record let statements.

1. Yogi is 6 years older than Michelle. The sum of their ages is 26.

lit Y be yogi's age let m te Michelle's age y = 6 + MY+M=26

3. Two balloonists, Jim and Chris, are in separate balloons. Jim's balloon is 10 m above the ground and rising at 15 m per minute. Chris's balloon is at 30 m above the ground and rising at 10 m per minute.

lit he height lit in be minutes 7m; h=10+15m chra h= 30+10m

 A long distance phone service charges \$7 a month plus \$0.10 per minute of call time. Another plan charges \$12 a month. Create equations for ONE month.

let C be cost
let
$$m$$
 be minutes
 1^{ot} : $C = 7 + 0.10 m$
 2^{rd} : $C = 12$

 At Lisa's Sub Shop, two veggie subs and four roast beef subs cost \$34. Five veggie subs and six roast beef subs cost \$61.

Let v be cost of veggre sub
let b be cost of beef sub
$$2v+4b=34$$

 $5v+6b=61$

8.

 The cost of admission to Fantasy World theme park totaled \$120.50 for a group of 11 children and 2 adults. The admission totaled \$100 for another group consisting of 7 children and 3 adults.

lit a be price of adult 120,50= 11c+2a 100 = 7c + 3a

4. The Mackenzie, the longest river in Canada, is 1056 km longer than the Yukon, the second-longest river. The total length of the two rivers is 7426 km.

let M be length of Muchinere let y be length of Mukon M = 10574 + YM+ Y= 7426

 Candace and Dino run computer repair services. For a service call, Dino charges \$50, while Candace charges \$40. In addition, they each charge an hourly rate. Dino charges \$30/h and Candace charges \$35/h

let c be last p_{ino} : C = 50 + 30hrendence: C=40+352

A restaurant that serves a buffet lunch has one price for adults and another price for children under 12. The Lopez family has two adults and three children under 12. Their bill was \$49.00. The Zeid family has three adults and one child under 12. Their bill was \$45.50.

let a be price of child let a be price of adult. 49= 2a+3c 45.50=3a+1c

More Review Graphing



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