28

12/8   PuZZle
What did the baby buzzard
Say when . . . . . ,

1.) Let $x = a$ #
$$5x + 2 = 77$$
$$ -2 \quad -2$$
$$\frac{5x}{5} = \frac{75}{5}$$
$$x = 15$$

2.) Let $x = a$ #
$$\frac{1}{3}x + 5 = -2$$
$$\phantom{\frac{1}{3}x} -5 \quad -5$$
$$(3)\frac{1}{3}x = -7(3)$$
$$x = -21$$

3.) $\frac{1}{4}x - 9 = 6$
$$\phantom{\frac{1}{4}x} +9 \quad +9$$
$$(4)\frac{1}{4}x = 15(4)$$
$$x = 60$$

4.) $16 + 2x = -56$
$$-16 \qquad\quad -16$$
$$\frac{2x}{2} = \frac{-72}{2}$$
$$x = -36$$

5.) $12 - 8x = 36$
$$-12 \qquad\quad -12$$
$$\frac{-8x}{-8} = \frac{24}{-8}$$
$$x = -3$$

6.) $\frac{1}{8}x + 20 = 32$
$$\phantom{\frac{1}{8}x} -20 \quad -20$$
$$(8)\frac{1}{8}x = 12(8)$$
$$x = 96$$

7.) $25 - \frac{1}{5}x = 18$
$$-25 \qquad\quad -25$$
$$(-5)-\frac{1}{5}x = -7(-5)$$
$$x = 35$$

8.) $9x - 4 = 95$
$$ +4 \quad +4$$
$$\frac{9x}{9} = \frac{99}{9}$$
$$x = 11$$

9.) Let width $= x$
$$50 = 6 + 2x$$
$$-6 \quad -6$$
$$\frac{44}{2} = \frac{2x}{2}$$
$$22 = x$$

10.) Let $x = $ Jr's age
$$7x - 9 = 75$$
$$ +9 \quad +9$$
$$\frac{7x}{7} = \frac{84}{7}$$
$$x = 12$$

11.) Let x = father's weight

$$48 = 10 + \frac{1}{2}x$$
$$\underline{-10 \quad -10}$$
$$(2)38 = \frac{1}{2}x (2)$$
$$76 = x$$

12.) Let x = # cal

$$70 = \frac{1}{4}x - 10$$
$$\underline{+10 \qquad +10}$$
$$(4)80 = \frac{1}{4}x (4)$$
$$320 = x$$

13.) Let x = width of chair

$$3x - 16 = 200$$
$$\underline{+16 \quad +16}$$
$$\frac{3x}{3} = \frac{216}{3}$$
$$x = 72$$

Name: _____

(*Nane;*

19/8 use pages 38-40 to show your work)

What Did the Baby Buzzard Say When It Saw an Orange in the Nest?

Solve each problem below. Find your answer in the answer column and notice the letter next to it. Write this letter in each box that contains the number of that problem.

① Two more than 5 times a number is 77. Find the number. **15**

② Five more than one third of a number is -2. Find the number. **-21**

③ Nine less than one fourth of a number is 6. Find the number. **60**

④ Sixteen increased by twice a number is -56. Find the number. **-36**

⑤ Twelve decreased by 8 times a number is 36. Find the number. **-3**

⑥ One eighth of a number, increased by 20, is 32. Find the number. **96**

⑦ Twenty-five decreased by one fifth of a number is 18. Find the number. **35**

⑧ Nine times a number, diminished by 4, is 95. Find the number. **11**

⑨ The length of a rectangle is 50 meters. This is 6 meters more than twice the width. Find the width. **22** m

⑩ Grandpa Schmidt is 75 years old. This is 9 years less than seven times the age of Junior Schmidt. How old is Junior? **12** yr

⑪ Bill's weight is 48 kilograms. This is 10 kilograms more than one half of his father's weight. What is his father's weight? **76** kg

⑫ A medium orange has 70 calories. This is 10 calories less than one fourth of the calories in a Sugar Krunchy. How many calories are in a Sugar Krunchy? **320** cal

⑬ The length of a couch is 200 centimeters. This is 16 centimeters less than 3 times the width of a matching chair. How wide is the chair? **72** cm

G	22
D	60
M	72
I	96
H	15
S	74
T	35
L	320
N	-36
R	12
E	-21
F	13
K	11
C	342
O	-3
A	76

12	5	5	8	11	7	7	1	2	5	10	11	4	9	2	13	11	13	11	12		6	3
L	O	O	K	A	T	H	E	O	K	A	N	G	E	M	A	M	A	L	A		I	D