

HW 4 - WS "Where Does A Conv..." 9/10

(Odds)

1.) Let $x = 1st \# = 12$
 $6x = 2nd \# = 72$

eg. $x + 6x = 84$
 $\frac{7x}{7} = \frac{84}{7}$
 $x = 12$
 $6x = 6(12) = 72$

7.) Let #skits = $6x - 10 = 422$
 #binding = $x = 72$

$x + 6x - 10 = 494$
 $7x - 10 = 494$
 $\frac{+10 +10}{7x = 504}$
 $\frac{7x}{7} = \frac{504}{7}$
 $x = 72$
 $6(72) - 10 = 422$

3.) Let $1st \# = x = 16$
 and $\# = 3x + 8 = 56$

eg. $x + 3x + 8 = 72$
 $4x + 8 = 72$
 $\frac{-8 -8}{4x = 64}$
 $\frac{4x}{4} = \frac{64}{4}$
 $x = 16$
 $3(16) + 8 =$

9.) Let ice cream cone = $5x$
 sugar cone = x

$x + 2(5x) = 495$
 $x + 10x = 495$
 $\frac{11x}{11} = \frac{495}{11}$

$x = 45$ ans
 $5(45) = 225$ CN

5.) Let Jack's score = $2x - 20$
 Jill's score = $x = 75$

eg. $x + 2x - 20 = 205$
 $3x - 20 = 205$
 $\frac{+20 +20}{3x = 225}$
 $\frac{3x}{3} = \frac{225}{3}$
 $x = 75$
 $2(75) - 20 = 130$

Jack's = 130 pts
 Jill's = 75 pts

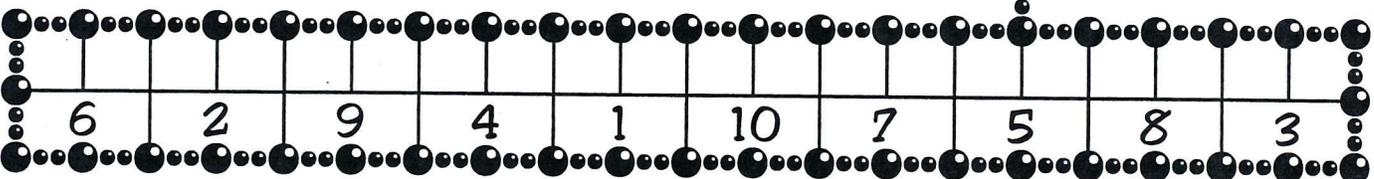
Where Does a Cow Go After Elementary School?

Solve each problem. Find your solution in the answer column and note the letters next to it. Write these letters in the two boxes above the exercise number at the bottom of the page.

- 1 The second of two numbers is 6 times the first. Their sum is 84. Find the numbers.
- 2 The larger of two numbers is 9 more than the smaller. Their sum is 95. Find the numbers.
- 3 The second of two numbers is 8 more than 3 times the first. Their sum is 72. Find the numbers.
- 4 The sum of two numbers is 110. The larger number is 2 less than 7 times the smaller. Find the larger number.
- 5 Jack's bowling score was 20 less than twice Jill's score. The sum of their scores was 205. Find the two scores.
- 6 Kate cut a 100-foot rope into two pieces. One piece was 5 feet longer than 4 times the length of the other. Find the length of each piece.
- 7 A pair of skis and a set of bindings together cost \$494. Find the price of each if the skis cost \$10 less than 6 times as much as the bindings.
- 8 The Bongo family has three children, including a pair of twins. The third child is 3 years younger than the twins. The sum of the three ages is 42. How old is each child?
- 9 One scoop of ice cream has 5 times as many calories as a sugar cone. Dax bought a sugar cone with two scoops of ice cream. If the two scoops and cone together had 495 calories, how many calories were in each scoop of ice cream?
- 10 The first of two films lasted 9 minutes less than twice as long as the second. The combined length of the two films plus a 5-minute break between them was 260 minutes. How long was the first film?

answers

T	R	92
R	Y	\$72, \$422
O	L	16, 56
A	T	240 cal
A	I	167 min
T	H	17 ft, 83 ft
D	D	12, 72
H	O	15, 15, 12
O	N	96
P	L	80, 125
E	L	\$74, \$420
T	O	19 ft, 81 ft
I	T	12, 12, 9
E	C	225 cal
A	S	43, 52
O	O	164 min
S	C	75, 130



Possibly a "Moodle" School!