Algebra Test Practice

Function Machines

Input	Rule	Output
5	+8	
17		
24		

Input	Rule	Output
6	x3	
12		
43		

Input	Rule	Output
15	÷5	
75		
120		

Input → **+8** → **Output**

If the input is 9, the output is

If the output is 13, the input is

If the input is 23, the output is

If the output is 47, the input is

LIVEWORKSHEETS

If △ = 5 and ● = 7, find the total of each row and each column.

△	●	●	
△	★	△	16
★	★	△	

a + b = 6

What are the possible values of a and b?

a	b
1	5

LIVEWORKSHEETS

Solve the equations

a + 7 = 10	a =
a + 11 = 20	a =
a – 8 = 13	a =
17 – a = 5	a =
4a = 20	a =
7a = 28	a =
9a = 27	a =
2a + 5 = 19	a =
5a – 9 = 31	a =
11a – 7 = 81	a =
50 – 6a = 32	a =
20 + 4a = 36	a =

A pizza and 3 chocolate bars cost $32. How much does a chocolate bar cost?

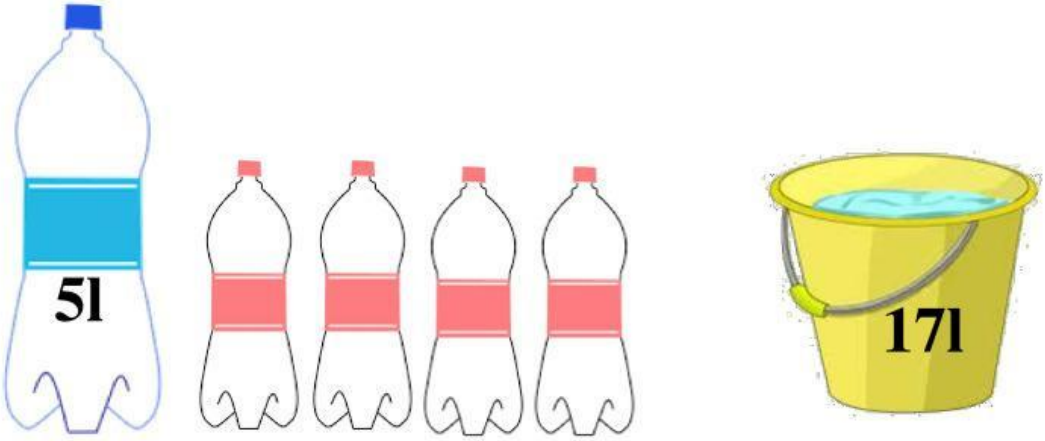


= $32

One chocolate bar = $

LIVEWORKSHEETS

5 water bottles were emptied into a big container. How many litres of water was in one of the pink water bottles?



John is selling chocolate. It is $1.30 for a big bar and 50c for a small bar.
How much would it cost to buy 3 big bars and 3 small bars? $

Sarah bought 2 big chocolate bars and some small ones as well for $4.60
How many small bars did she buy?

Max spends $3.80
How many big bars did he buy?
How many small bars did he buy?

Terry is going to subway. It costs $5.50 for a 6-inch sandwich and $0.30 for each extra topping.
How much would it cost for 1 sandwich, and 3 extra toppings? $

Lisa pays $6.10. How many extra toppings did she get?

Richard paid $16.50 with no extra toppings
How many sandwiches did he get?

Sally buys 1 sandwich but pays $7
How many extra toppings did she get?

LIVEWORKSHEETS

If △ = 8 and ● = 9, find the total of each row and each column.

△	△	●	
△	★	★	
★	●	△	27

b + c = 36

c is 2 times the size of c

What are the values of b and c?

b =

c =

LIVEWORKSHEETS