PROBLEM SET 54 [PAGE 86]

Problem Set 54 | Q 1 | Page 86

Using brackets, write three pairs of numbers whose sum is 13. Use them to write three equalities.

SOLUTION

(7 + 6), (8 + 5), (9 + 4).

since 7 + 6 = 13, 8 + 5 = 13, 9 + 4 = 13.

(7 + 6) = (8 + 5), (7 + 6) = (9 + 4) or (8 + 5) = (9 + 4).

Problem Set 54 | Q 2 | Page 86

Find four pairs of numbers, one for each of addition, subtraction, multiplication, and division that make the number 18. Write the equalities for each of them.

SOLUTION

 $(9 + 9), (20 - 2), (9 \times 2), (36 + 2).$

since 9 + 9 = 18, 20 - 2 = 18, 9 x 2 = 18 and 36 + 2 = 18,

so $(9 + 9) = (20 - 2) = (9 \times 2) = (36 + 2)$.

PROBLEM SET 55 [PAGES 87 - 88]

Problem Set 55 | Q 1.01 | Page 87

Say whether right or wrong. (23 + 4) = (4 + 23)

SOLUTION

27 = 27 is right.

Problem Set 55 | Q 1.02 | Page 87 Say whether right or wrong. (9 + 4) > 12

SOLUTION

13 > 12 is right.

Problem Set 55 | Q 1.03 | Page 87 Say whether right or wrong. (9 + 4) < 12

SOLUTION

13 < 12 is wrong.

Problem Set 55 | Q 1.04 | Page 87 Say whether right or wrong. 138 > 138

SOLUTION

Wrong.

Problem Set 55 | Q 1.05 | Page 88 Say whether right or wrong. 138 < 138

SOLUTION

Wrong.

Problem Set 55 | Q 1.06 | Page 88 Say whether right or wrong. 138 = 138

SOLUTION

<u>right.</u>

Problem Set 55 | Q 1.07 | Page 88 Say whether right or wrong. $(4 \times 7) = 30 - 2$ SOLUTION

28 = 28 is right.

Problem Set 55 | Q 1.08 | Page 88

Say whether right or wrong.

 $\frac{25}{5} > 5$

SOLUTION

 $\frac{25}{5} = 5$

5 > 5 is wrong.

Problem Set 55 | Q 1.09 | Page 88

Say whether right or wrong. $(5 \times 8) = (8 \times 5)$

SOLUTION

40 = 40 is right.

Problem Set 55 | Q 1.10 | Page 88 Say whether right or wrong. (16 + 0) = 0

SOLUTION

16 + 0 = 16

16 = 0 is wrong.

Problem Set 55 | Q 1.11 | Page 88 Say whether right or wrong. (16 + 0) = 16

SOLUTION

16 = 16 is right.

Problem Set 55 | Q 1.12 | Page 88 Say whether right or wrong. (9 + 4) = 12

SOLUTION

13 = 12 is wrong.

Problem Set 55 | Q 2.1 | Page 88

Fill in the blank with the right symbol from <, > or =. $(45 \div 9)$ _____ (9-4).

- 1. <
- 2. >
- 3. =

SOLUTION

45 + 9 = 5, 9 - 4 = 5

5 = 5

so, (45 + 9) <u>=</u> (9 - 4).

Problem Set 55 | Q 2.2 | Page 88

Fill in the blank with the right symbol from <, > or =. (6 + 1) _____ (3 × 2) 1. < **2.** > 3. =

SOLUTION

 $6 + 1 = 7, 3 \times 2 = 6$

7 > 6

SQ, $(6 + 1) > (3 \times 2)$.

Problem Set 55 | Q 2.3 | Page 88

Fill in the blank with the right symbol from <, > or =. (12×2) _____ (25 + 10) 1. <

2. >

3. =

SOLUTION

12 x 2 = 24, 25 + 10 = 35

24 < 35

so, (12 x 2) < (25 + 10).

Problem Set 55 | Q 3.1 | Page 88 Fill in the blank in the expression with the proper number. $(1 \times 7) = (____ \times 1)$

SOLUTION

1 x 7 = 7, 7 x 1 = 7

so, $(1 \times 7) = (\underline{7} \times 1)$.

Problem Set 55 | Q 3.2 | Page 88 Fill in the blank in the expression with the proper number. $(5 \times 4) > (7 \times ___)$

SOLUTION

5 x 4 = 20, 7 x _____ must be less than 20.

7 x 2 = 14

so, (5 x 4) > (7 x <u>2</u>).

Problem Set 55 | Q 3.3 | Page 88 Fill in the blank in the expression with the proper number. $(48 \div 3) < (____ \times 5)$

SOLUTION

48 ÷ 3 = 16, 5 x 4 = 20

5 x 3 = 15

16 > 15 and 16 < 20

so, $(48 \div 3) < (\underline{4} \times 5)$.

Problem Set 55 | Q 3.4 | Page 88

Fill in the blank in the expression with the proper number.

 $(0 + 1) > (5 \times __)$

SOLUTION

0 + 1 = l, 5 x 1 = 5

5 x 0 =0

1< 5 and 1 > 0

so, (0 + 1) > (5 x <u>0</u>)

Problem Set 55 | Q 3.5 | Page 88 Fill in the blank in the expression with the proper numbers. $(35 \div 7) = (____)$

SOLUTION

 $35 \div 7 = 5, 3 + 2 = 5$

So, $(35 \div 7) = (\underline{3} + \underline{2})$.

Problem Set 55 | Q 3.6 | Page 88 Fill in the blank in the expression with the proper number. $(6 - __) < (2 + 3)$

SOLUTION

6 - ____, < 2 + 3 = 5 5 > 6 - 2

so, (6 - <u>2</u>) < (2 + 3).

PROBLEM SET 56 [PAGE 88]

Problem Set 56 | Q 1.1 | Page 88

Use a letter for 'any number' and write the following property in short.

The sum of any number and zero is the number itself.

SOLUTION

a + 0 = a.

Problem Set 56 | Q 1.2 | Page 88

Use a letter for 'any number' and write the following property in short. The product of any two numbers and the product obtained after changing the order of those numbers is the same.

SOLUTION

a x b = b x a.

Problem Set 56 | Q 1.3 | Page 88 Use a letter for 'any number' and write the following property in short. The product of any number and zero is zero.

SOLUTION

a x 0 = 0.

Problem Set 56 | Q 2.1 | Page 88 Write the following property in words : m - 0 = m

SOLUTION

Subtracting zero from any number gives the number itself.

Problem Set 56 | Q 2.2 | Page 88 Write the following property in words : $n \div 1 = n$

SOLUTION

Dividing any number by 1 gives the number itself.