Lesson 8. Homework

Gr04_Prep--Lesson 8 Homework

To multiply three digit numbers we can use the Distributive Property of Multiplication.

Example:

$462 \cdot 7$

$462 \cdot 7 = 462 \cdot 7 = (400 + 60 + 2) \cdot 7 =$
$400 \cdot 7 + 60 \cdot 7 + 2 \cdot 7 = 2800 + 420 + 14 = 3234$

1

Multiply:

a $234 \cdot 5 =$

$1000+150+20=1170$

Your answer: 1170

Correct

b $359 \cdot 3 =$

$900+150+27=1077$

Your answer: 1077

Correct

2

Circle all the multiples of 4:

    12   16   30   36   15   18

        26   42   50   48   56

    60   24   70   54   14   6

        44   21   64   66   4

Your answer: The multiples of 4 are :
12, 16, 36, 24, 44, 48, 4 , 56, 60, 64, ☐ , ☐ , ☐
Leave unused fields blank

Correct

3

List all the factors of each number:

Example:

$$\begin{array}{c|c} 6 \\ \hline 1 & 6 \\ 2 & 3 \end{array}$$

12   14   30

Your answer: All the factors of 12 are : 1 , 12, 2 , 6 , 3 , 4 , ☐ , ☐

All the factors of 14 are : 1 , 14, 2 , 7 , ☐ , ☐

All the factors of 30 are : 1 , 30, 2 , 15, 3 , 10, 5 , 6 , ☐ , ☐

Leave unused fields blank

Correct

4

Solve:

a $4 + x + 17 = 45 - 5$

21 + x = 45 - 5
21 + x = 40
x = 19

Your answer: $x = 19$

Correct

b $420 - x = 127 + 273$

420 - x = 400
420 = x + 400
20 = x

5

Simplify each expression:

a $(x + 17) + (x + 7)$

2x + 17 + 7
2x + 24

b $(x + 17) - (x + 7)$

0 + 17 - 7
10

6

The first class has **24** kids in it, the second class has **37** kids in it, and the third class has **29** kids in it. The kids from all three classes were equally divided between two buses. How many kids are in each bus?

(24 + 29 + 37) / 2
(53 + 37) / 2
90 / 2
45

7

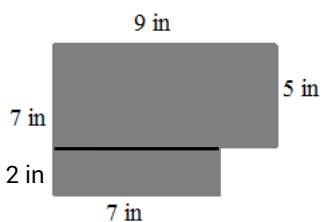The first class has **a** kids in it, the second class has **b** kids in it, and the third class has **c** kids in it. The kids from all three classes were equally divided between two buses. How many kids are in each bus?

(a + b + c) / 2

8

Find the area of the shaded part:

9 in

5 in

7 in

2 in

7 in

A =   5x9 + 2x7
45 + 14
59