

Math 3 Homework 24

___TIME this page work_____



Practice working with parenthesis:

Open parenthesis:

1



c)
$$7(30-3x-2b) =$$

2 Open parenthesis and simplify:

a)
$$4(25+4x)-3(2x+9)=$$

b)
$$2(2t+23)-4(t-9)=$$

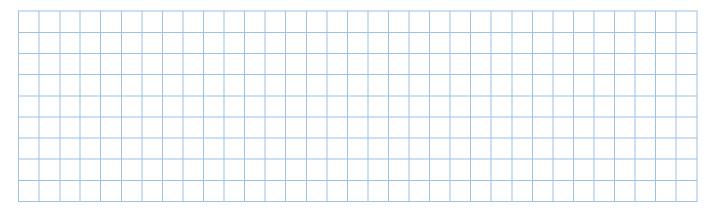
c)
$$(m-3) \times 10 - (m+8) \times 5 =$$

One-digit-one-line Long Multiplication. Remember about Place Value!

a)
$$762 \times 31 =$$

b)
$$762 \times 310 =$$

c)
$$762 \times 3105 =$$



Report the time you spent on page 1: _____



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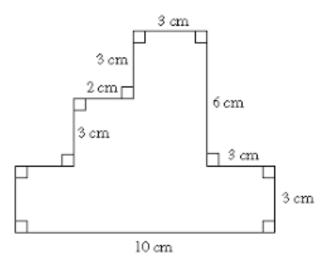
Write down a number sentence and find its value:

- a) The difference of one hundred twenty-two and eighty-seven is divided by 5:
- b) The product of eleven and 5 is added to tree hundred and eight
- c) One thousand and two added to the quotient of 75 and 3

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5

Find the perimeter and the area of the following shapes. Try to use the most optimal way to calculate. Show your work. Don't forget about units!



Perimeter = _____

Area =

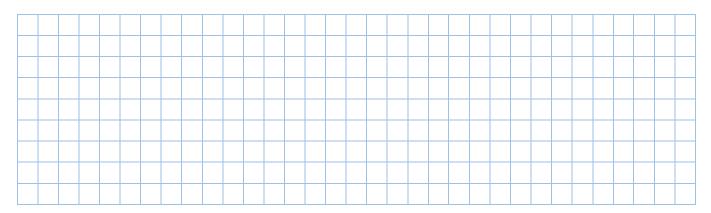
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One-digit-one-line Long Multiplication. Remember about Place Value!

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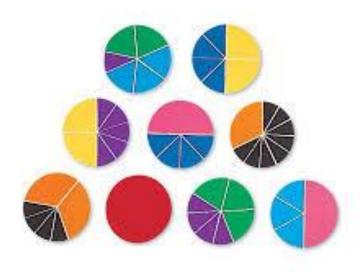
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Use the commutative property of addition and INSERT parenthesis to calculate the most convenient way. Don't forget that the sign belongs to the number immediate after the sign.

- a) 305 25 75 105 =
- b) 979 41 + 21 59 =
- c) 135 + 92 33 + 82 42 67 =

There are 9 circles on the picture below. Find the fractions shaded by each color:



Example: Circle #1 – the circle is divided into 6 parts - $\frac{3}{6}$ or $\frac{1}{2}$ of the circle is blue; $\frac{1}{6}$ of the circle is purple and $\frac{2}{6}$ or $\frac{1}{3}$ is green.

Circle # 2		

Circle # 3 _____

Circle # 4 _____

Circle # 5 _____

Circle # 6 _____

Circle # 7 _____

Circle # 8 _____

Circle # 9 _____

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9

Sean had a 900 ml of apple juice. He wanted to divide all juice between 5 glasses (A, B, C, D and E). Half of the juice was equally shared between glasses A and B. The other half of the juice was equally shared between glasses C, D and E. How much juice was in each glass? Show your work!

A: _____

B:

C: _____

D: _____

E: _____

8.

Camilla has a pencil measuring 16 cm long and it weighted 4 grams.

- a) Camilla had a similar pencil, and hers measured 8 cm long. How much do you think it weighed? _____
- b) Loam also had a similar pencil and it weighed 3grams. How long do you think Loam's pencil was?

9

Compare, using <, > or =. Think carefully about an order of operations:

$$8 \times 64 - 40 \dots 8 \times (64 - 40)$$

$$100 \div 5 + 5 \dots 100 \div (5 + 5)$$

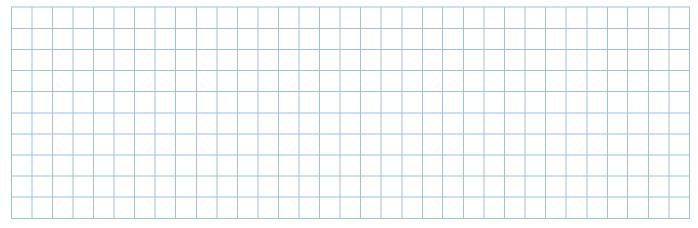
$$20 + 50 \times 8 \dots (20 + 50) \times 8$$

$$12 \times 43 + 51 \times 5 \dots 5 \times 51 + 43 \times 12$$

10

Long division:

b)
$$450 \div 18 =$$



Write the answer for each question:

a) There are a total of 40 kg of apples packed in 8 identical bags (equal amount in each)
How many kgs are in each bag?
How many kgs of apples are in *x* such bags?
b) There are *y* kgs of apples packed in 9 identical bags
How many kgs are in each bag?
How many kgs of apples are in *m* such bags?
c) There are *a* kgs of apples packed by in *b* bags
How many kgs are in each bag?
How many kgs are in each bag?
How many bags would you need to pack *q* kgs of apples?
d) A train traveled 200 km at an even speed for 5 hours.

How many hours would be needed to cover 1000km?

How many km the train covered in one hour?