1

Practice working with parenthesis:
Open parenthesis:

a) $25(y + 4) =$ _____

b) $6(5z - 9) =$_____

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

Independent work

2

Open parenthesis and simplify:

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

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

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

3

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

a) $762 \times 31 =$ b) $762 \times 310 =$ c) $762 \times 3105 =$

4

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 three hundred and eight

_____

c) One thousand and two added to the quotient of 75 and 3

_____

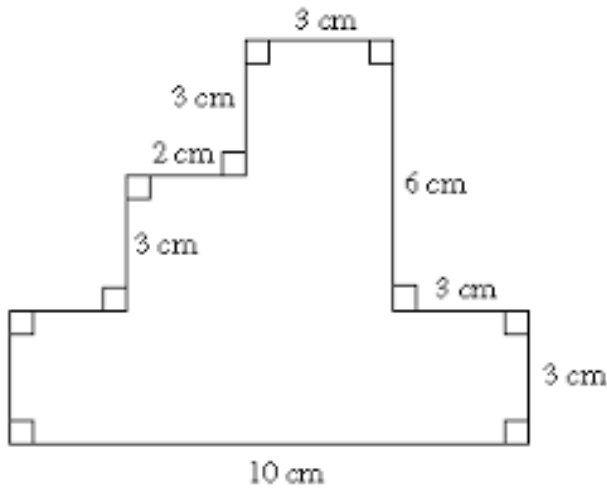**Report the time you spent on page 1:** _____

5

Part I

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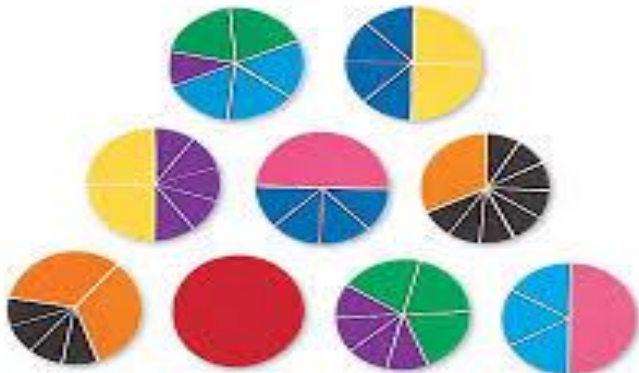
Perimeter = _____

3 cm

3 cm

2 cm

6 cm

3 cm

3 cm

3 cm

10 cm

Area = _____

6

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 _____

7 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 = _____

8 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: _____

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

   a) Cathy had a similar pencil, and hers measured 8 cm long. How much do you think it weighed?

      _____

   b) Daniel also had a similar pencil and it weighed 3grams. How long do you think Daniel's pencil was?

      _____

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

$8 \times 64 - 40$ …. $8 \times (64 - 40)$

$100 \div 5 + 5$ … $100 \div (5 + 5)$

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

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

11 Long division:

a) $2761 \div 11 =$ b) $450 \div 18 =$