Math 3.   Homework 13

1. Write an expression for each problem.

   a) A dog show had *n* events. Elliot and his dog Benson visited 5 of them. How many events do they have to visit to complete their tour? _____

   b) Benson has *a* leather collars and *b* chain collars. How many more leather collars than chain collars does he have? _____

   c) Elliot bought *c* sugar bones. Benson took some of them and left *k*. How many sugar bones did Benson take? _____

   d) Each box of dog treats contains 8 treats. After Benson ate *x* treats there were 26 treats left. How many boxes did Elliot have bought at the beginning?

     _____

   e) Elliot put all of Benson's toys in *y* boxes. Each box has nine toys. How many toys does Benson have? _____

   f) *Z* dogs were divided into 2 groups equally for a dog show. How many dogs are there in each group? _____

2. Fold a 16 – meter rope in half, and then fold the rope in half again to obtain four pieces. How long is each piece?

_____   _____

3. Calculate:

3m – 2dm 4cm + 6m 9 cm =

_____

5m +3m 5dm 7cm – 4m 68cm =

_____

4. Calculate:

50 × 60 × 10 = _____   60 × 40 ÷ 10 = _____

$70 \times 20 \times 20 =$ _____ $200 \times 50 \div 10 =$ _____

$300 \times 70 \div 10 =$ _____ $320 \div 10 \times 100 =$ _____

$900 \times 20 \div 100 =$ _____ $600 \times 100 \div 20 =$ _____

5.

Use the rectangular piece of paper such as its length equal 20 cm and it's width equal 15 cm. Out of this rectangle cut out the largest possible square. From the remaining rectangular part cut out another largest possible square. What are the areas of the two squares and what is the area of the remaining piece of the paper?

20 cm

15 cm
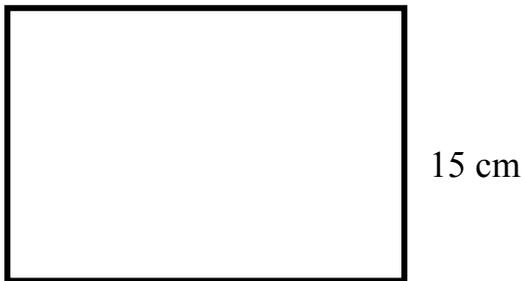
6.

Complete each angle maze below by tracing a path from start to finish

a) Your path should have only acute angles.

Start

Finish
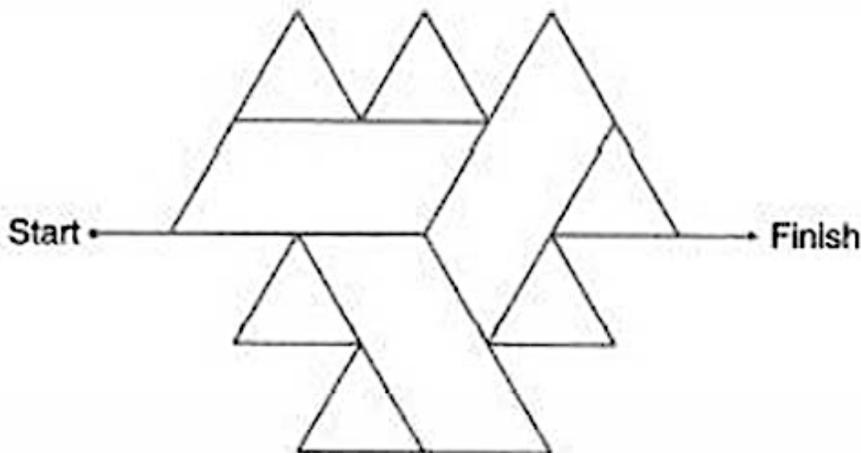
b) You should avoid the right angles:
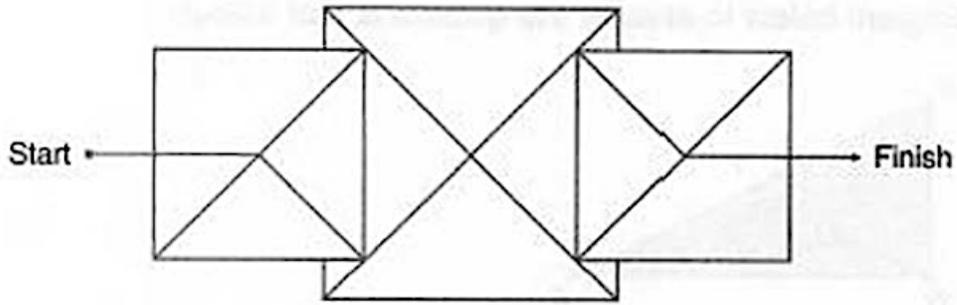
7. Let's practice again! Do it until all your digits are perfect!

Number Writing Practice

8. Solve for x (check your answers):

a) $55 \div x = 1$ b) $x \div 44 = 2$ c) $x \times 80 = 320$

_____ _____ _____

_____ _____ _____

_____ _____ _____

9. **Concentric circles** are circles that share the same center. However, radii of concentric circles are not equal. To name a circle, we use the name of the center. Since concentric circles have the same center, you may use the radii to that end! For example, to name the big circle, you could say circle with center A and radius y – (A; y)

Name the smaller circle: _____
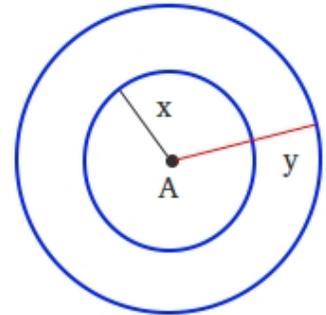
10. Practice to draw concentric circles. Place a center A in the middle of the page. Using a compass, draw 3 circles – with a radius 8 cm, 5 cm and 3 cm. Name each circle.

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