

Homework #2 **Assigned on September 24, 2017** **Due on October 1, 2017**

1. Which of the following numbers are divisible by 3?

Which of them are also divisible by 9?

- (a) 75 432
- (b) 2 772 825
- (c) 5 402 070

2. Each number below is divisible by 3. One digit is covered with a smiley face. Try to guess what digit is that. (you may get more than one answer)

2😊5 46😊 7346😊 4😊56 😊14 5😊3

3. Each number below is divisible by 9. One digit is covered with a smiley face. Try to guess what digit is that.

8😊5 99😊 73😊46 1😊346 😊34 114😊5

4. Elephant-father weights 200 kilogram more than the Elephant-mother. Elephant-mother weights 500 kilogram more than the Elephant-son. This family of three weights together 1.6 tons. What is the weight of Elephant-son?

5. Mike has 5 candies more than John. John has 8 candies less than Sam. Together they have 19 candies. How many candies does each boy have?

6. Place parentheses into the following expression so that the statement is true.

a) $96-12*6:3=8$

b) $64:64-8*4=2$

c) $63:9+54=1$

d) $75-15:5+10=22.$

7. Draw two rays AB and CD in such way that they intersect

a) by a point

b) by a segment

c) by a ray

d) don't intersect at all

8. On the segment AB mark a point M . How many segments do we have on the picture?

Mark another point P . How many segments do we have now?

Mark a third point F . Count segments.

How many segments will be if you mark 5 points?

10 points?

99 points?