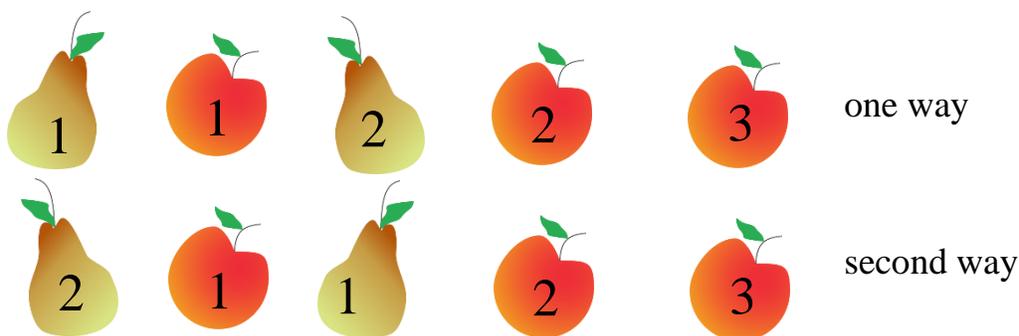


$$\frac{1\frac{5}{9} : 7 + 1\frac{5}{6}}{6\frac{1}{6} \cdot 3}$$

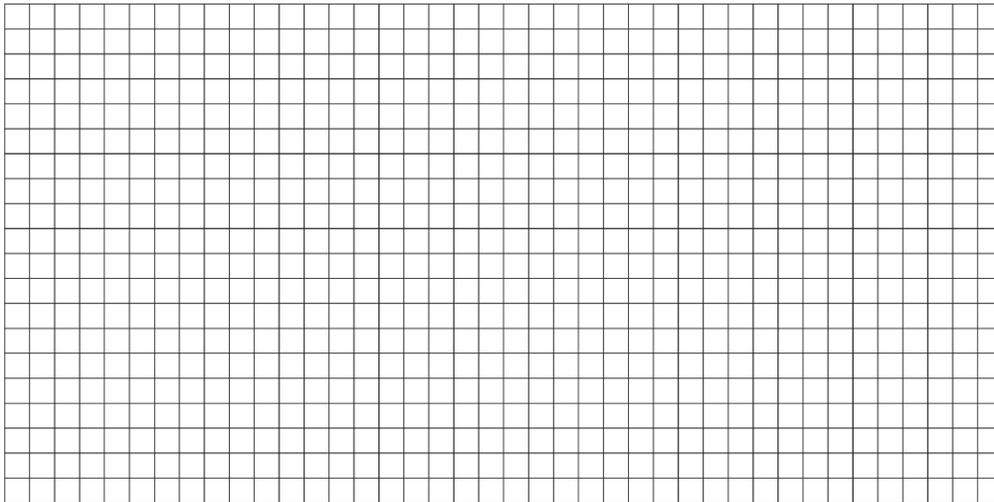
1. Mother has 3 apples and 2 pears. Each day she gives one fruit to her kid for lunch. How many different orders are there to give these fruits? (both pears are considered to be absolutely identical, as well as all three apples).



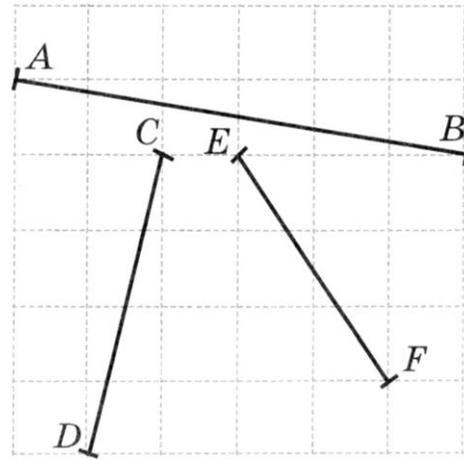
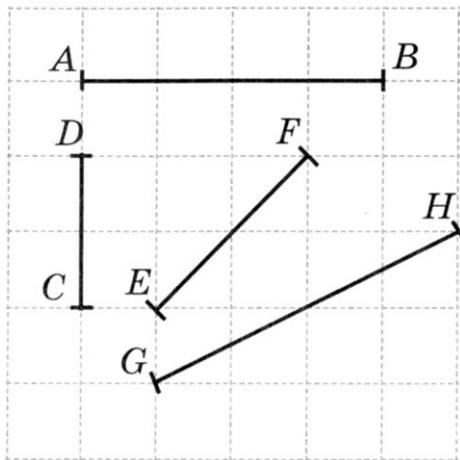
Is there any difference for kid between these two ways to eat fruits during the school week?

2. How many two-digit numbers can be composed from digits 1, 2, 3 without repetition of digits?
3. How many two-digit numbers can be composed from digits 1, 2, 3, if repetition is allowed?
4. 5 hamsters will eat 5 bags of hamster food in 5 days. How many days 10 hamsters need to eat 10 bags of food?
5. There are red and green pencils in a box. How many pencils do you have to take out of the box without seeing them to be sure that you have at least 2 pencils of the same color?
6. If there are pencils of 5 different colors in a box, how many pencils do you have to take out to be sure that you have at least 2 of the same color? 3 of the same color?

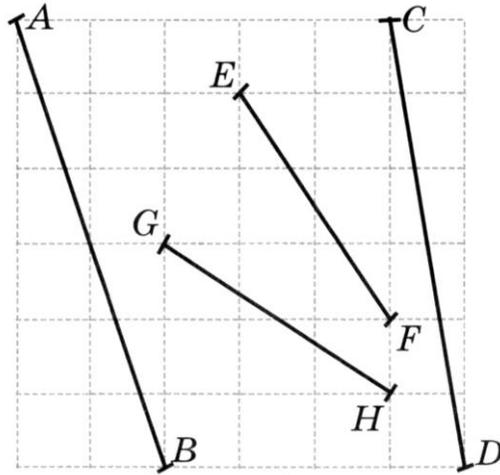
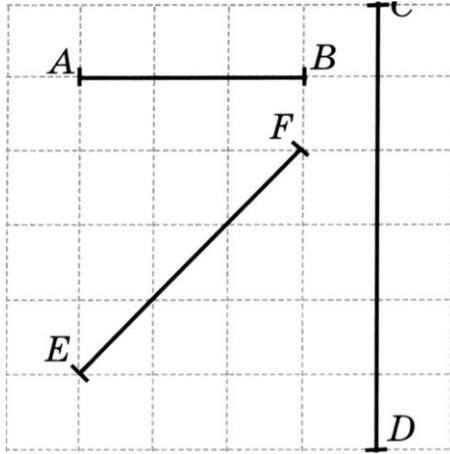
7. There are 10 pairs of red gloves and 10 pairs of black gloves in a box. How many gloves do you have to take out to be sure that you have a pair of gloves that you can wear?
8. There are 80 either red or yellow balloons in a room. There is at least 1 red balloon. In any random pair of the balloons at least one will be yellow. How many red and how many yellow balloons are there?
9. On a graph paper draw a square with the area equal to 2 cells, 4 cells, 5, 8, 9, 10, 16, 20, 35 cells.



1. Find the midpoints of the segments.

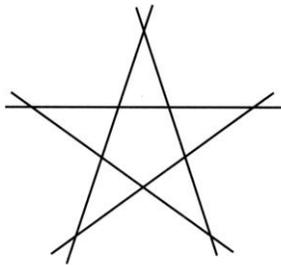


2. Find the points divided the segments into three equal parts.



3. How many lines are on the picture?
through 4 points? 5 points?

How many lines can be drawn



D •

• *C*

• *D*

E •

• *C*

A •

• *B*

A •

• *B*

4. How many points of intersection can 3 straight line have?

5. Draw 4 line so they have 4 pairwise intersections, 5 or 6.