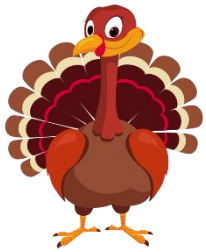
Math 4. Homework #9. **Happy Thanksgiving!**



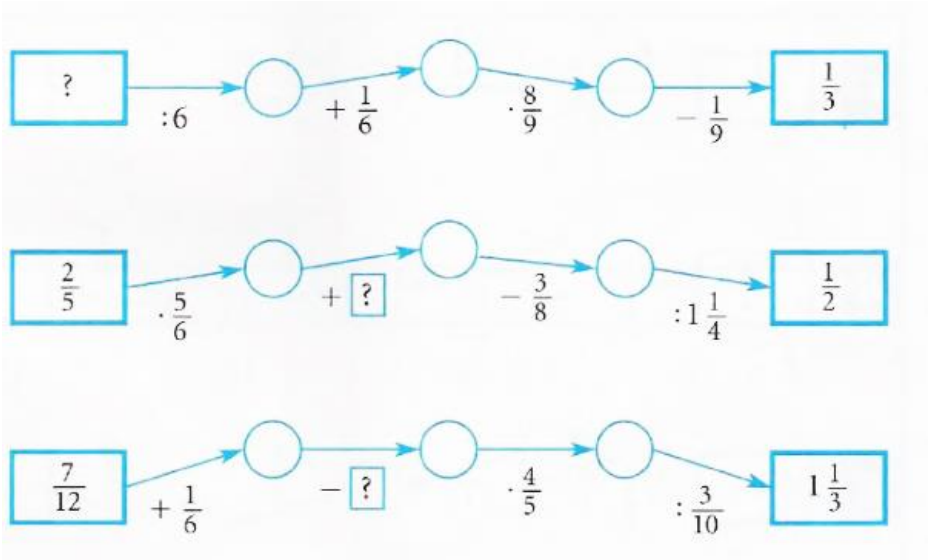
1. Compute:

$a)\ \frac{1}{8}+\frac{3}{7}=$ $\quad b)\ \frac{1}{2}+\frac{5}{6}=$ $\quad c)\ \frac{2}{3}+\frac{2}{5}=$ $\quad d)\ \frac{7}{24}+\frac{1}{4}=$

2. Find the missing fraction:

a) $\frac{1}{8}\times ?\ =\frac{5}{64}$ $\quad$ **b)** $\frac{3}{7}\times ?=1$ $\quad$ **c)** $\frac{2}{11}\times ?=\frac{6}{44}$ $\quad$ **d)** $\frac{2}{9}\times ?=2$

3. * What number should be placed instead of "?"



4. **Compute** ***(remember to simplify first and to use the order of operations):***

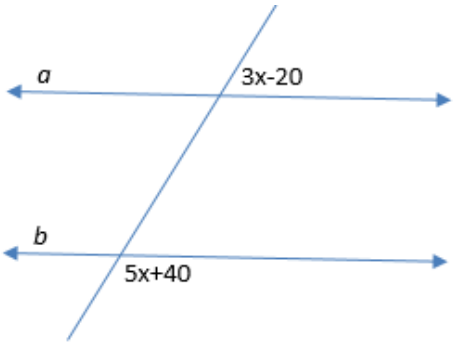
$$\left(\frac{1}{3}+\frac{2}{9}\right)\div\left(\frac{9}{10}-\frac{2}{5}\right)=$$

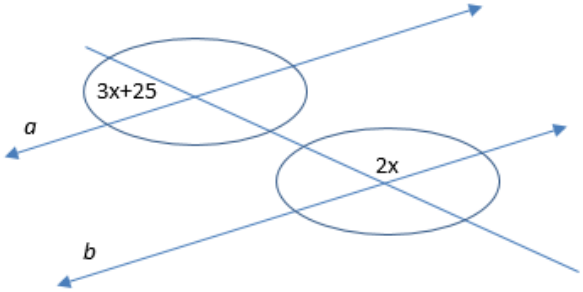
$$\left(4-\frac{2}{3}\right)\times\left(1\frac{1}{2}-\frac{3}{4}\right)=$$

$$\frac{7}{16}+\frac{9}{10}\times\frac{5}{14}\times\frac{7}{12}=$$

$$1-\frac{9}{16}\div\frac{9}{4}-\frac{1}{12}=$$

5. **For *a* ∥ *b* find x**





6. **Solve**

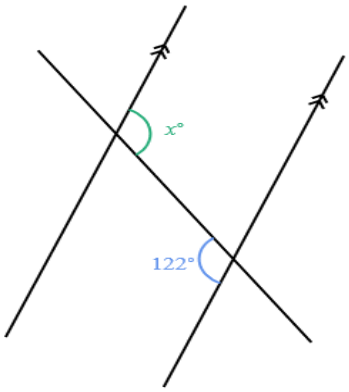
a. There are 100 fourth graders in an elementary school and $\frac{3}{4}$ of them went to the field trip. How many students went to the field trip?

b. There are 100 fourth graders in an elementary school and 20 students took part in a math competition. What part of the students participated in the math competition?

c. Sixty fourth graders like the "Harry Potter" movie. This is $\frac{3}{5}$ of the number of students in the 4th grade. How many students are there in the 4th grade?

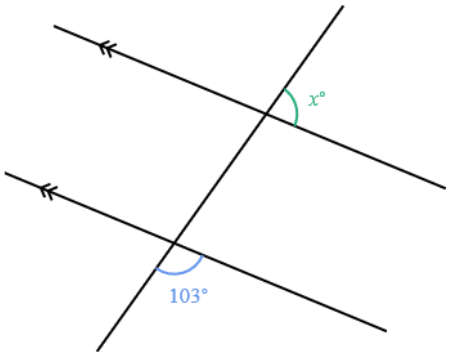
7. Find x

A



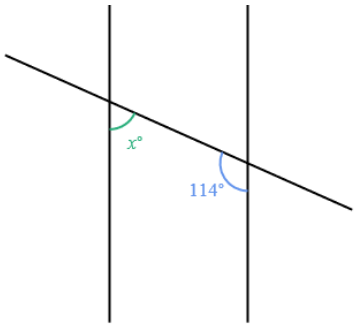
$x =$ ____ °

B



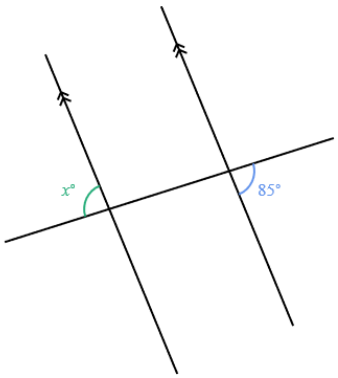
$x =$ ____ °

C



$x =$ ____ °

D



$x =$ ____ °

8. Simplify:

(a) $\frac{5500}{9500} =$

(b) $\frac{1485}{1755} =$

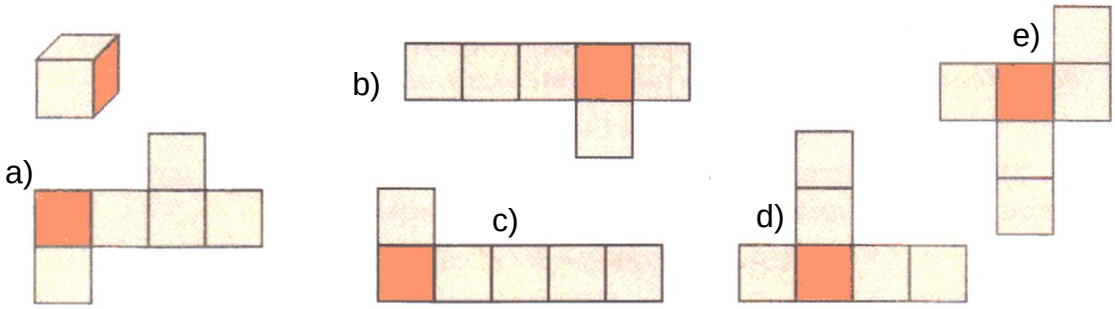
(c) $\frac{5(39-a)+b(39-a)}{5+b} =$

(d) $\frac{a-ab}{1-b} =$

9. A package of plastic forks contains 16 forks. A package of plastic knives contains 12 knives. What is the smallest number of packages of each kind you must buy to get the same number of forks as knives? (*Hint: Least Common Multiple*)

10. A glass holds 200 ml of milk. What fraction of the glass should be filled with milk to get 160 ml?

11. Which of the pictures below are the cube nets?



12. * You need to cut $\frac{1}{2}$ m from a rope $\frac{2}{3}$ m long. You don't have any tools to do the measurements. How you can do it?