

1. Calculate (remember about an order of operations)

$$5 \times (4 + 2) = \underline{\hspace{2cm}}$$

$$(4 + 3) \times 7 = \underline{\hspace{2cm}}$$

$$9 \times 4 \div 4 + 6 = \underline{\hspace{2cm}}$$

$$55 - 40 \div 5 \times 6 = \underline{\hspace{2cm}}$$

$$3 \times 4 + 8 \div 2 = \underline{\hspace{2cm}}$$

$$160 - 7 \times 4 + 1 = \underline{\hspace{2cm}}$$

$$12 \times 4 - (28 - 6) = \underline{\hspace{2cm}}$$

$$15 + 3 \times (27 - 20) = \underline{\hspace{2cm}}$$

2. Insert the sign “+” where needed to make the equality correct:

$$1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 = 100$$



3. Solve the following equations and check your answers:

$$x \div 9 = 1$$

$$5 \div y = 5$$

$$q \times 1 = 9$$

$$p \div 7 = 1$$

4. Fill in the missed number:

$$500 \div \underline{\hspace{1cm}} = 100$$

$$27 \div \underline{\hspace{1cm}} = 3$$

$$\underline{\hspace{1cm}} \div 3 = 7$$

$$16 \div \underline{\hspace{1cm}} = 8$$

$$\underline{\hspace{1cm}} \div 3 = 6$$

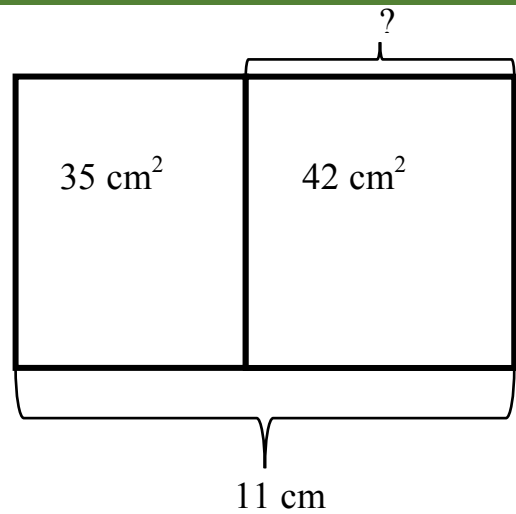
$$\underline{\hspace{1cm}} \div 4 = 5$$

$$25 \div \underline{\hspace{1cm}} = 5$$

$$35 \div \underline{\hspace{1cm}} = 7$$

Homework 14

5. If you know the areas of two rectangles, find the length of unknown side.



6. There are 44 students in a class. Every student plays at least 1 of the 2 sports: baseball and soccer. 27 students play baseball only. 11 students play both baseball and soccer. How many students do play only soccer? Use Venn diagram.

7. Sam has a rope with a length 1 m and 60 cm. How can he cut a piece of 80 cm and another piece of 40 cm without any measuring tools?

8. The sum of the numbers of 3 adjacent houses on one side of a street is 21. What are the numbers of the houses? What are the numbers of the adjacent houses if their sum is 42? (Hint: each side of the street has either only odd or only even numbers).

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Homework 14

9. The number of students who likes ice cream and chocolate are given below:

How many students like ice cream?

Answer: _____

How many students like chocolate?

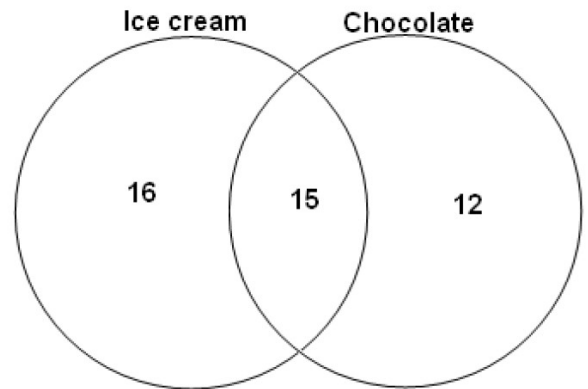
Answer: _____

How many students like both ice cream and chocolate?

Answer: _____

How many students like only ice cream? Answer: _____

How many students like only chocolate? Answer: _____



10. Fill in the empty cells.

Subtraction:

X	437	518		244		721	967
Y	84		150	135	205		169
X-Y		92	73		38	125	

Division:

X	45	49		72	56		28
Y		7	6		7	3	4
X÷Y	9		7	8		9	

Addition:

X	643		49		762	518	253
Y	79	98		125	39	67	
X+Y		518	407	538			841

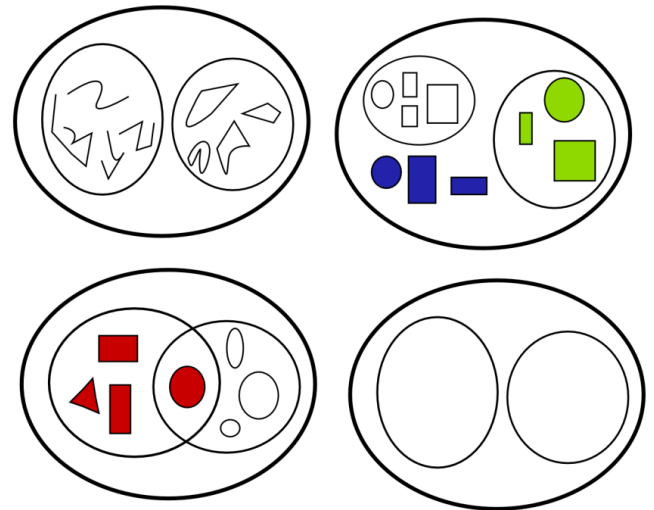
Homework 14

Multiplication:

X	8	6	4	3	7	5
Y			9		9	
$X \times Y$	40	42		21		

11.

For each Venn diagram describe the property based on which elements were classified. Make your own example for the last diagram.



12.

A man met a family of grandfather, father and son. The man asked how old they were. The grandfather answered: "We are 100 years old altogether" Then the man asked the father the same question. The father said: "Together my son and I are 45 years old. My son is 25 years younger than me." The curious man was not able to find out the age of the grandfather, father, and son. Can you help him?
