

	HW 20	Division. Divisibility by 2, 3	3, 4, 5, 6, 9 and 10. Sets.		
3	How many stu	students who likes ice cream and ch dents like ice cream?	nocolate are given on the	C	olate
	Answer:	dents like chocolate? 	ate? 16	15	12
	5				
	5	dents like only ice cream?		\searrow	
		dents like only chocolate?			
	Answer:				

Fill in the empty cells.

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Subtraction:

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

Division:

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

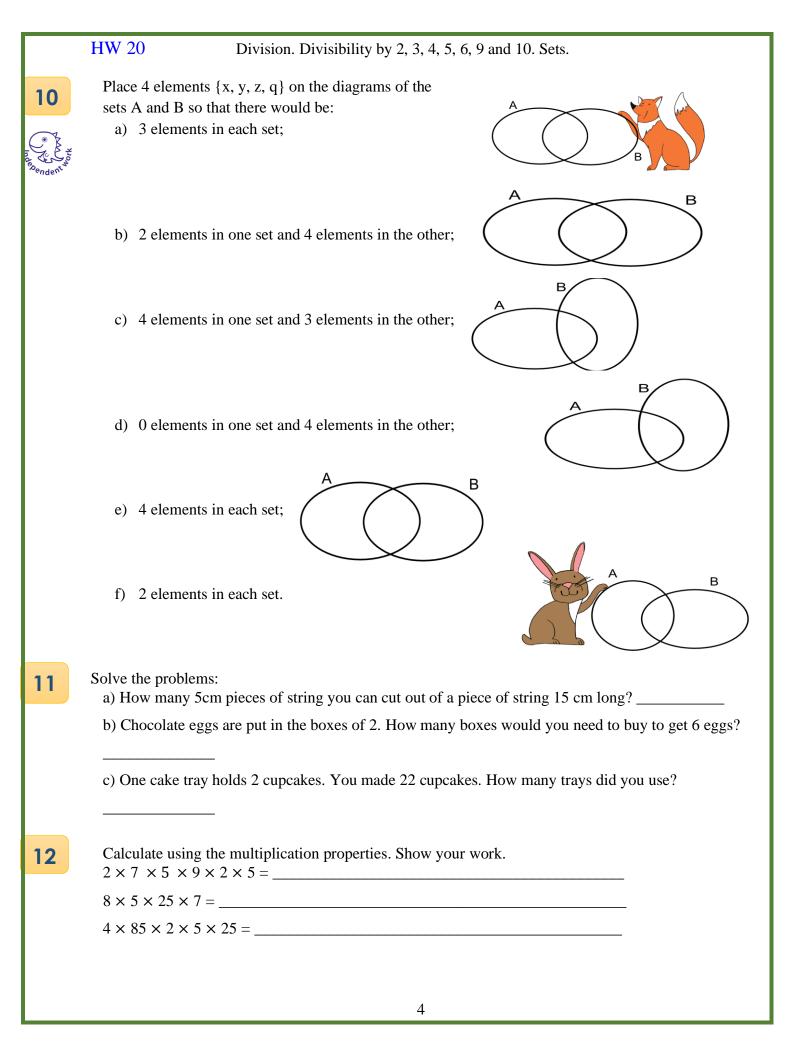
Addition:

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

Multiplication:

Х	8	6	4	3	7	5
Y			9		9	
$\mathbf{X} \times \mathbf{Y}$	40	42		21		

Solve the following equations and check your ans	3, 4, 5, 6, 9 and 10. Sets.
$x \div 16 + 75 = 81$	$53 - x \times 7 = 39$
Compare, using <, > and =	
48 + 36 + 14 48 + (36 + 14)	73 - 17 + 29 73 - (17 + 29)
$81 \div 9 \times 4 \dots 81 \times 4 \div 9$	$12 \div 6 \times 5 \dots 12 \times 5 \div 6$
Find the correct notation for an empty set. Cross notations.	s out all other $\{ \bigcirc \}, \bigcirc, \bigcirc, \{ \bigcirc \}$
Enter a missed number:	
$27 \div \underline{} = 9 \qquad \underline{} \div 3 = 7$	$ \div 6 = 3$
$16 \div _ = 8$ $\div 2 = 11$	$ \div 5 = 4$
$10 \div _ = 2 \qquad _ \div 4 = 4$	$\underline{\qquad}$ ÷ 7 = 3
Consider sets M and K . By using $\{ \}$, define the elements of the set $M \cap K$. Mark the elements of the sets M and K on the Venn diagram and trace with a colored pencil the set $M \cap K$. a)	M = { 15, 25, 30, 40 }
b)	$M = \{ \begin{array}{c} & & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ $



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13	True or False:					
	810 is divisible by 9	605 is divisible by 5				
	820 is divisible by 4	800 is divisible by 4				
	360 is divisible by 6	240 is divisible by 4				
	360 is divisible by 30	720 is divisible by 90				
14	Which of the following is an in a) {states in the US}	finite set?				
	b) {vowels}					
	c) {primary colors}					
	d) {whole numbers}					
15	Which of the following is an empty set?a) {cars with 10 doors}					
	b) {cats with 15 legs}					
	c) {months with 32 days}					
	d) All of the above					
16	Calculate and write down the answer with a remainder where needed:					
	$48 \div 3 = $ $48 \div 4 =$					
17	Find quotient and remainder from the division of different numbers by 5.					
	$11 \div 5 = __+__$ 1	$7 \div 5 = __+__$ $29 \div 5 = __+_$				
	$36 \div 5 = __+_$ 4	$7 \div 5 = __+__$ $63 \div 5 = __+_$				

Answer the questions (fill in the brackets):

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a) The sum of the least three-digit number and the least three-digit number is a () - digit number.b) The sum of the greatest three-digit number and the greatest three-digit number is a () - digit number.

c) The sum of 2 three-digit numbers can be a () - digit number or a () - digit number.