



1) Complete the sentences about the picture.



There are  lots of 9.

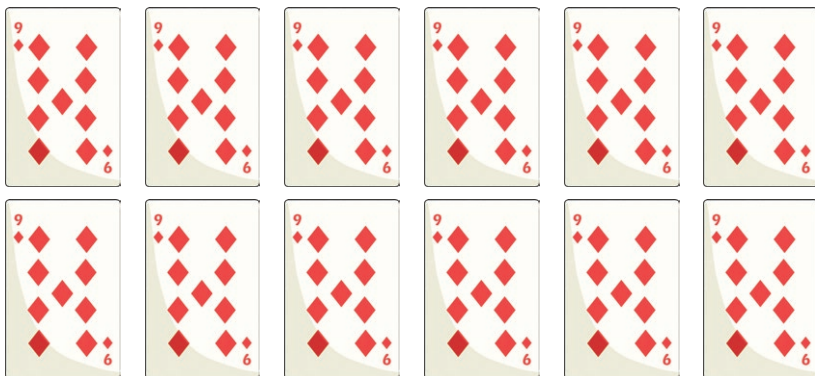
There are  nines.

$2 \times \text{} = \text{}$

2) Draw an array to match the sentences or calculations.

There are 6 lots of 9.	<input type="text"/> $\times 9 = 36$	There are 9 nines.

3) Complete the fact family to match the image.



$\times$   =

$\times$   =

$\div$   =

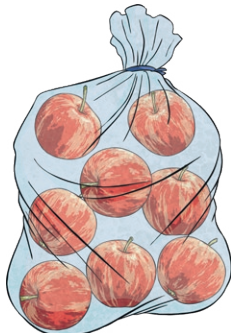
$\div$   =

4) Complete the calculations below.

$9 \times 8 = \text{}$        $\text{} \times 9 = 90$        $1 \times \text{} = 9$        $99 = \text{} \times 9$        $\text{} = 7 \times 9$   
 $36 \div 9 = \text{}$        $45 \div \text{} = 9$        $\text{} \div 9 = 9$        $9 = \text{} \div 2$        $\text{} = 27 \div 9$

5) Solve this word problem.

The shopkeeper ordered 9 bags of apples. Each bag contained 8 apples. What is the total amount of apples the shopkeeper has ordered?





1) Anita has written out the fact family for  $5 \times 9$ . Check her work and then correct and explain any mistakes she has made.

$5 \times 9 = 45$	$45 \div 9 = 5$
$9 \times 5 = 45$	$5 \div 45 = 9$




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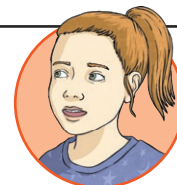
2) Read the statements below. Whose is true and whose is false? Explain your answer.

The multiples in the 9 times table are always odd because 9 is an odd number.



Diego

Multiples of 9 are also multiples of 3.



Louisa

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3) Look at the multiples of 9. Explain what patterns you can see.

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	9
1	8
2	7
3	6
4	5
5	4
6	3
7	2
8	1
9	0
9	9
10	8



1) a) Crack the code for the safe.

Find the numbers for the combination of the safe by reading the clues below and matching them to the correct multiples from the 9 times table. It may be helpful to write down the multiples of the 9 times table in order to help you work it out. Each multiple of 9 only appears once.

When the digits of this number are multiplied, it makes 20.  
\_\_\_\_\_



It is a number between 10 and 50. It is a multiple of 3 but not of 6.  
\_\_\_\_\_



It is a multiple of 5 and 9.  
\_\_\_\_\_



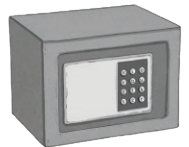
This multiple is an even two-digit number with a placeholder.  
\_\_\_\_\_



This multiple is half of  $8 \times 9$ .  
\_\_\_\_\_



b) Choose some of the remaining multiples from the 9 times table that were not the answers from the question above. Then, write clues for a partner to solve so that they can crack the code and open the safe.



Clues

Answer

_____	
_____	
_____	
_____	
_____	
_____	
_____	
_____	