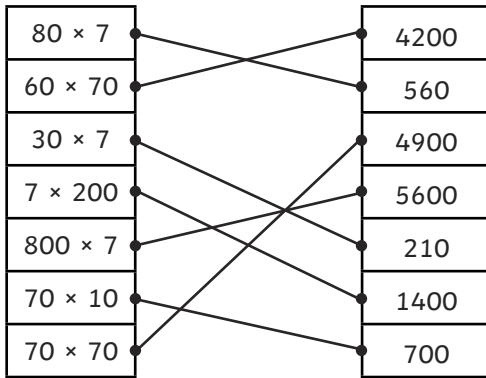


1)



2)

$7 \times 1 = 7$	$7 \times 6 = 42$	$7 \times 8 = 56$
$7 \times 10 = 70$	$70 \times 6 = 420$	$70 \times 8 = 560$
$7 \times 100 = 700$	$700 \times 6 = 4200$	$7 \times 800 = 5600$



3)

$7 \div 1 = 7$	$42 \div 6 = 7$	$56 \div 7 = 8$
$70 \div 10 = 7$	$420 \div 6 = 70$	$560 \div 7 = 80$
$700 \div 100 = 7$	$4200 \div 6 = 700$	$5600 \div 7 = 800$

1)

$7 \times 50 = 50 \times 7$        $7 \times 10 < 700 \times 1$   
 $8 \times 700 = 80 \times 70$        $40 \times 70 = 400 \times 7$



Anna is incorrect. The third number statement  $7 \times 10 \square 700 \times 1$  is not equal so should not have an equal sign in the box.  $7 \times 10 = 70$  and  $700 \times 1 = 700$ , therefore  $<$  should be inserted to show that 70 is less than 700.

2)

$4 \times 7 = 28$	$8 \times 7 = 56$	$9 \times 7 = 63$
$2 \times 2 \times 7 = 28$	$2 \times 2 \times 2 \times 7 = 56$	$3 \times 3 \times 7 = 63$

The pairs of calculations share the same answer because they are equivalent calculations. For example,  $4 \times 7 = 2 \times 2 \times 7$  because  $2 \times 2 = 4$ .

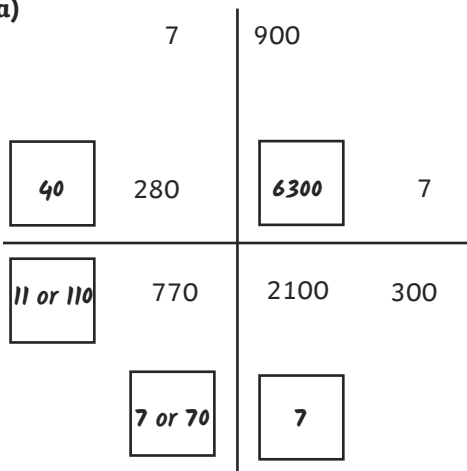
1)

a)  $70 \times 8 = 560$  and  $40 \times 70 = 280$   
 $560 + 280 = 840$  therefore there are 840 pencils altogether.  
 b)  $840 \div 7 = 120$



2) In each section of the circle, the two numbers on the outside edge are multiplied together to make the number closest to the centre of the circle.

a)



b) Answers will vary in the bottom half of the circle but should multiply correctly by the number given in order to make a multiple of 70 or 700 in the inner part of each section. Possible answers in the top half of the circle:

**8400:**  
 $120 \times 70 = 8400$   
 $1200 \times 7 = 8400$   
 $12 \times 700 = 8400$   
**5600:**  
 $80 \times 70 = 5600$   
 $800 \times 7 = 5600$   
 $8 \times 700 = 5600$