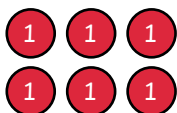




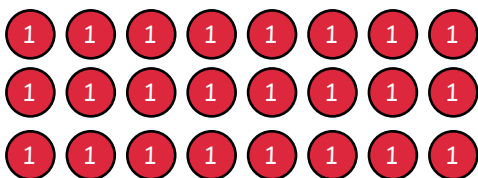
1) Complete the calculation for each set of place value counters.



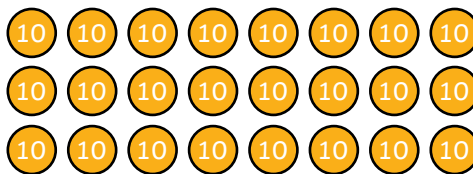
a) $___ \times ___ = ___$



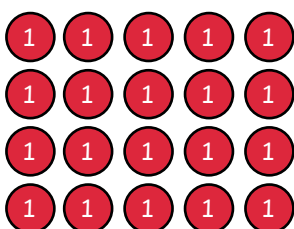
b) $___ \times ___ = ___$



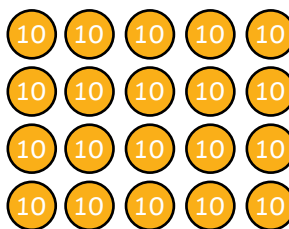
c) $___ \times ___ = ___$



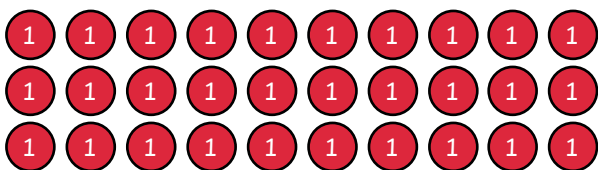
d) $___ \times ___ = ___$



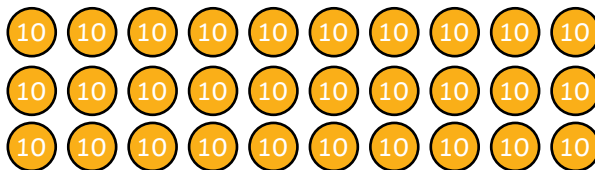
e) $___ \times ___ = ___$



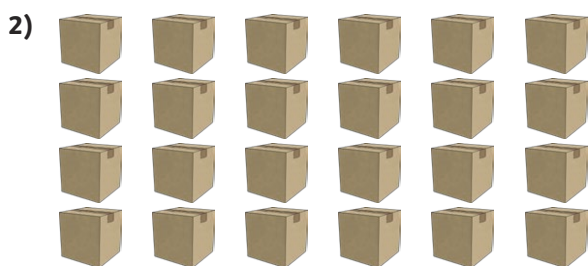
f) $___ \times ___ = ___$



g) $___ \times ___ = ___$



h) $___ \times ___ = ___$



There are $______$ columns of $______$ boxes.

$______ \times ______ = ______$

There are $______$ boxes altogether.

Each box contains ten tennis balls.

There are $______$ columns of $______$ balls.

$______ \times ______ = ______$

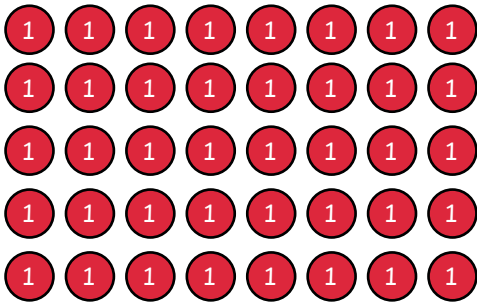
There are $______$ balls altogether.



3) If we know that $7 \times 5 = 35$, we know that $70 \times 5 = 350$. Complete the fact families for each calculation.

$7 \times 5 = 35$	$3 \times 4 = 12$	$6 \times 8 = 48$	$64 \div 8 = 8$
$70 \times 5 = 350$	$30 \times 4 = \underline{\quad}$	$\underline{\quad} \times 8 = 480$	$640 \div 8 = \underline{\quad}$
$5 \times 70 = 350$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$
$50 \times 7 = 350$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$
$7 \times 50 = 350$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$	$\underline{\quad} \times \underline{\quad} = \underline{\quad}$
$350 \div 50 = 7$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	
$350 \div 7 = 50$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	
$350 \div 5 = 70$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	
$350 \div 70 = 5$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	$\underline{\quad} \div \underline{\quad} = \underline{\quad}$	

1) Thomas is calculating 80×5 . He has created this array using place value counters to help him.



There are 40 counters in my array, so I need to multiply my answer by 2 to calculate 80×5 .

Do you agree? Explain your reasons.

2) Geri says that 80×5 will have the same answer as 50×8 . Do you agree? How could you use arrays and the times table facts you know to prove your answer?





1) Use your times tables knowledge to find two multiplication facts that make each total.

240	160	180
120	360	720

2) Ms Patel is booking cinema tickets for a whole-school visit. She wants to choose a screen at the cinema where the 480 pupils on the trip can fill up each row of seats and there won't be any rows with empty spaces.

Screen	A	B	C	D	E	F	G	H
Seats in Each Row	10	12	18	20	35	45	50	60

a) Which of the following screens would be suitable for the trip?

b) To fit all 480 children in, how many rows would Ms Patel need to reserve in each different suitable screen?

