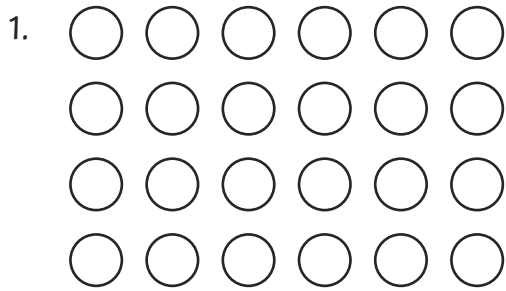
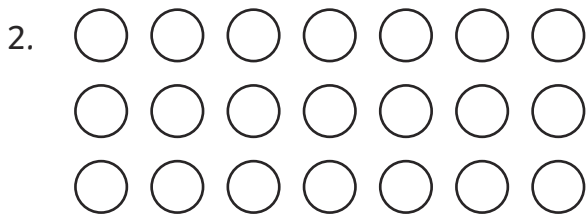
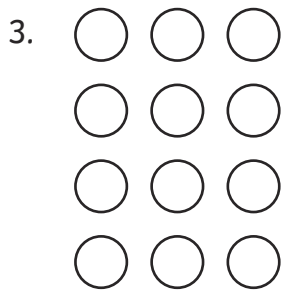


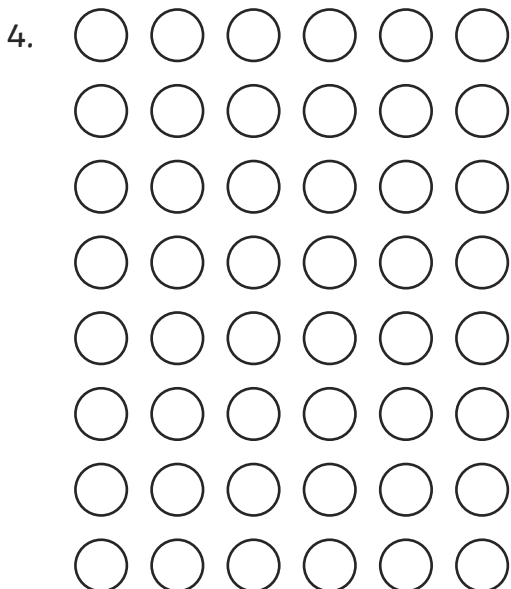
Introducing Multiplication Arrays

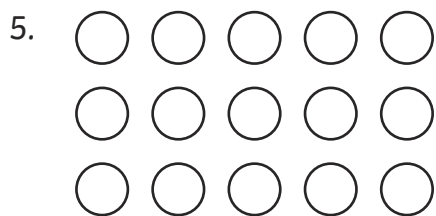
Count in 3s, 4s and 8s to find the total in each array. Write the total in the box.

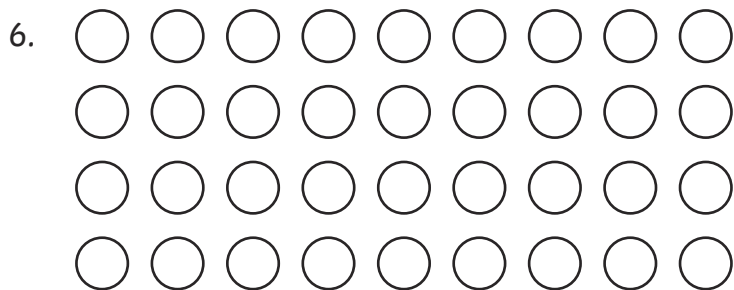


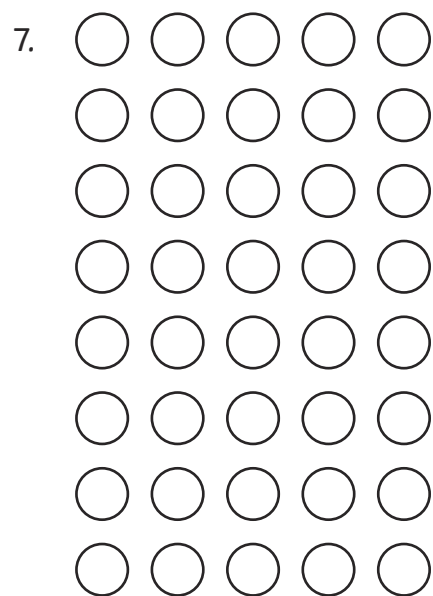


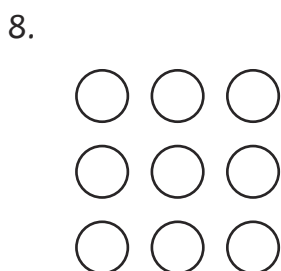










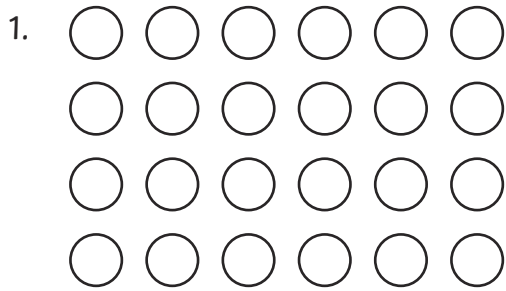


Challenge

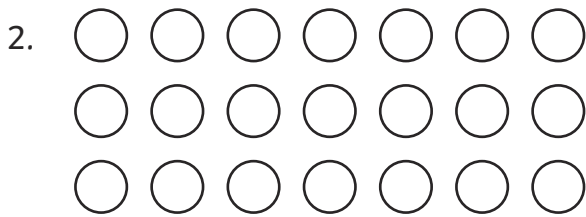
Draw 16 dots in an array. How many different arrays can you make?

Introducing Multiplication Arrays **Answers**

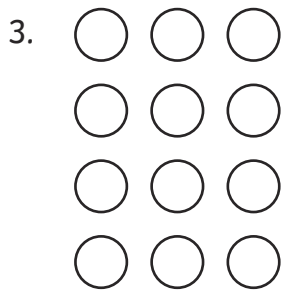
Count in 3s, 4s and 8s to find the total in each array. Write the total in the box.



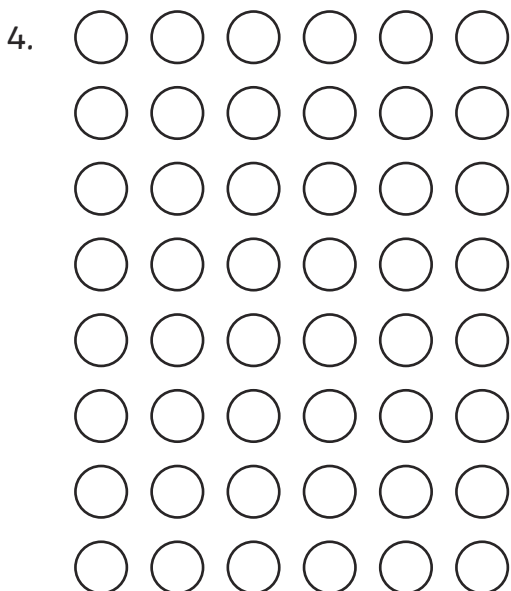
32



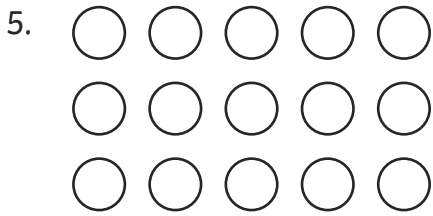
21



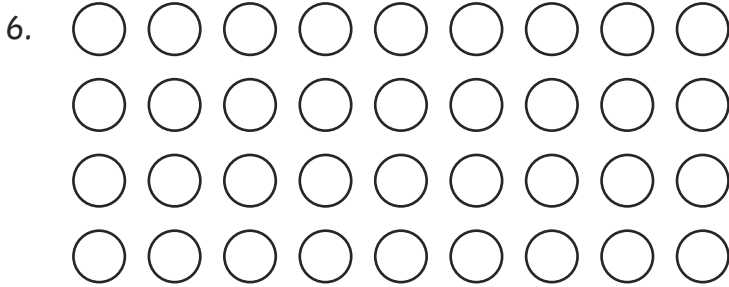
12



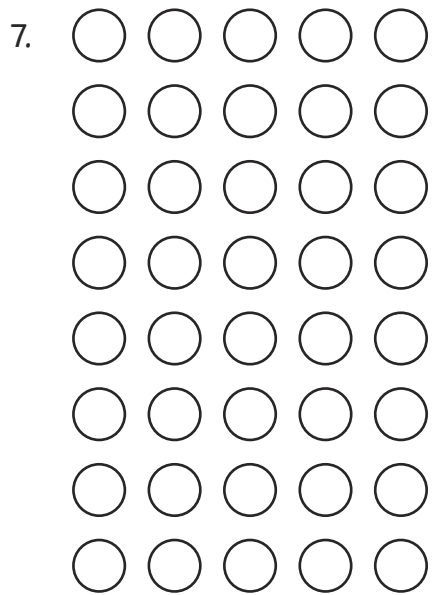
48



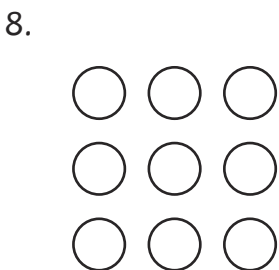
15



36



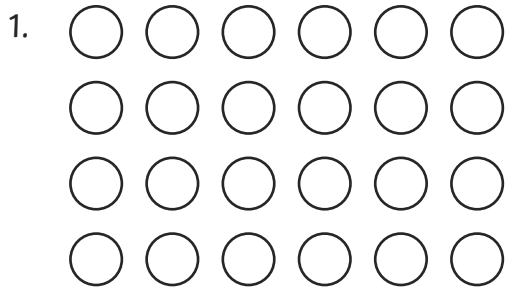
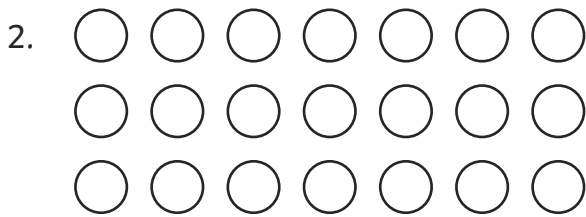
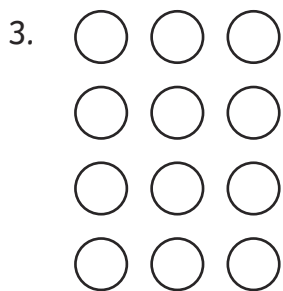
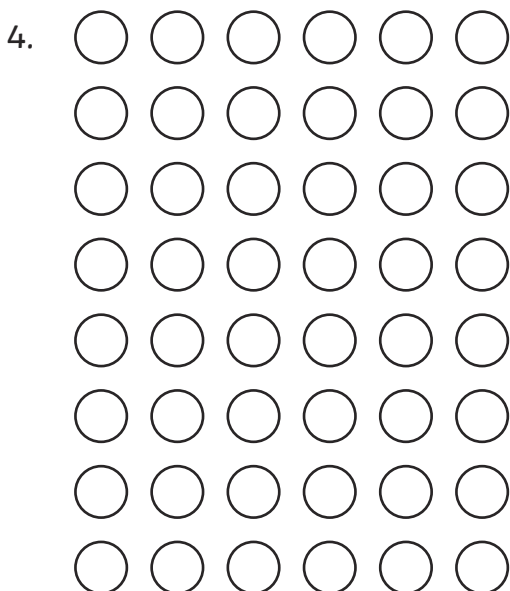
40

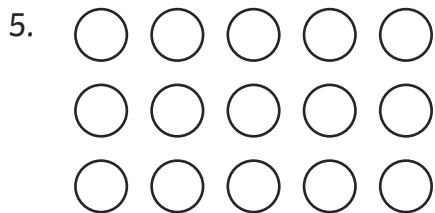


9

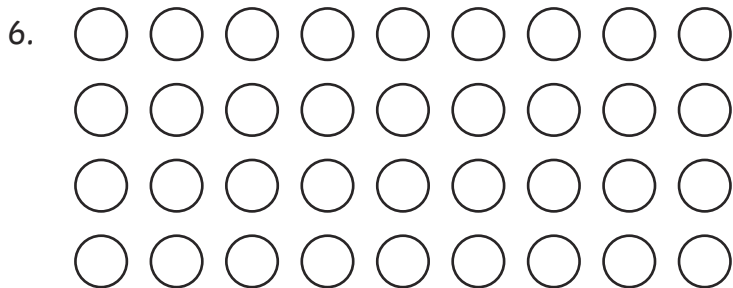
Introducing Multiplication Arrays

Count in 3s, 4s and 8s to find the total in each array. Write a multiplication and total for each array.

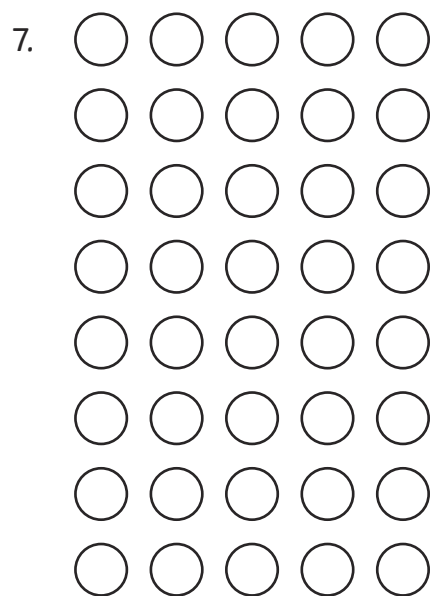

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



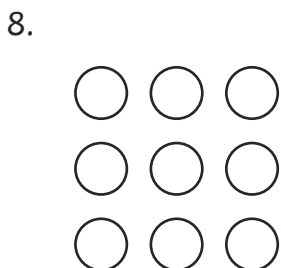
_____	x	_____	=	_____
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_____	x	_____	=	_____
-------	---	-------	---	-------



_____	x	_____	=	_____
-------	---	-------	---	-------



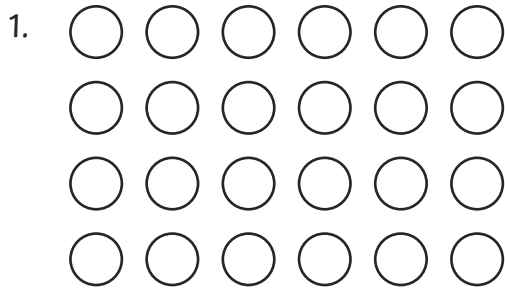
_____	x	_____	=	_____
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Challenge

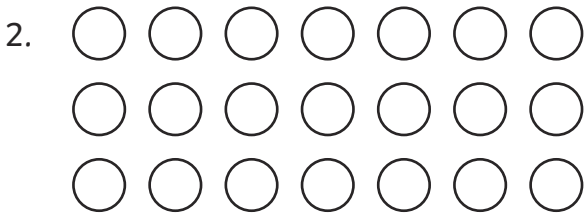
Draw an array to show: 3×8 . How many different arrays can you make of the answer?

Introducing Multiplication Arrays **Answers**

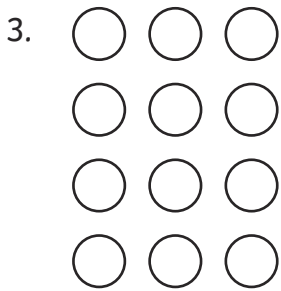
Count in 3s, 4s and 8s to find the total in each array. Write a multiplication and total for each array.



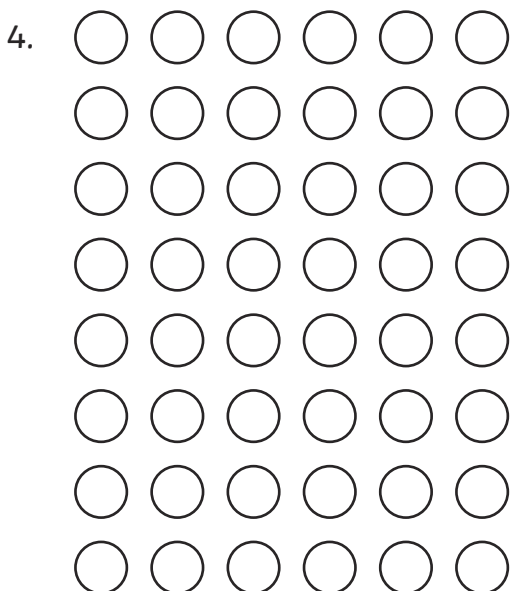
$$6 \times 4 = 24$$



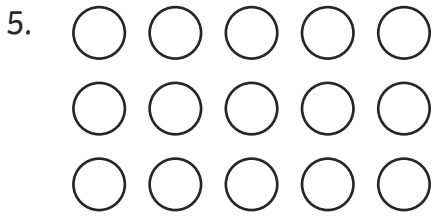
$$7 \times 3 = 21$$



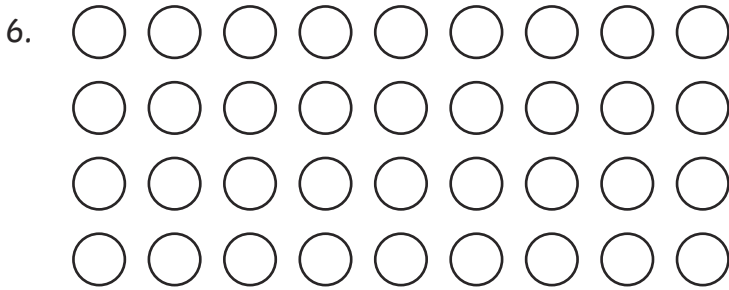
$$3 \times 4 = 12$$



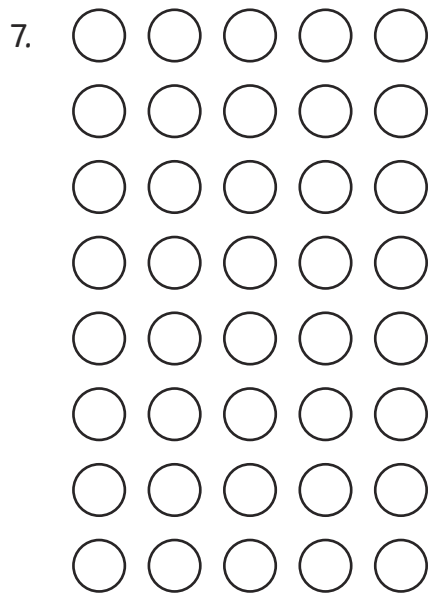
$$6 \times 8 = 48$$



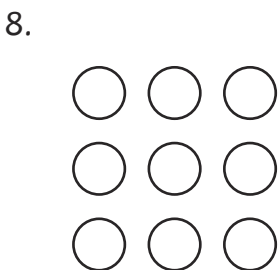
$$5 \times 3 = 15$$



$$9 \times 4 = 36$$



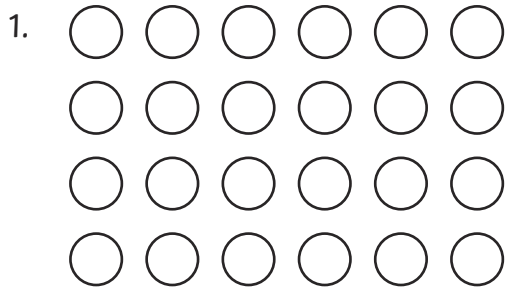
$$5 \times 8 = 40$$



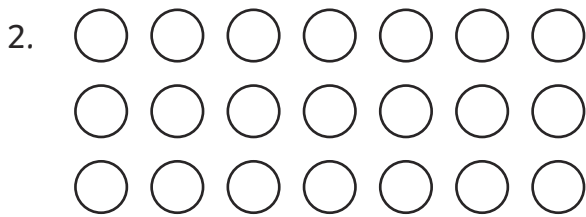
$$3 \times 3 = 9$$

Introducing Multiplication Arrays

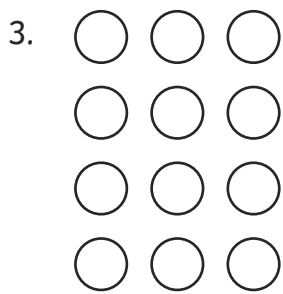
Count in 3s, 4s and 8s to find the total in each array. Write two number sentences for each array using the Commutative Law.



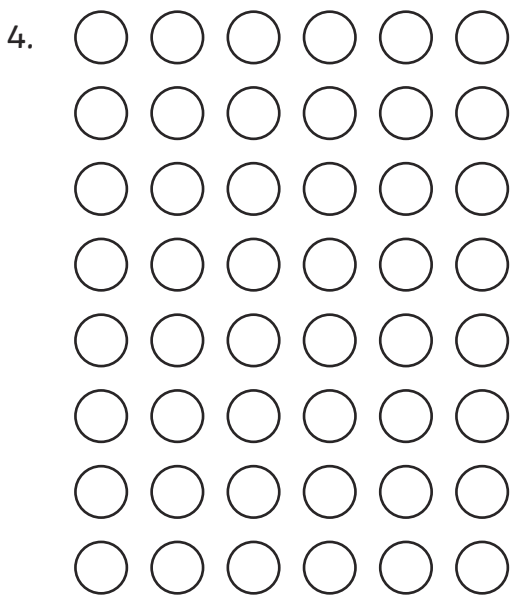
_____	x	_____	=	_____
_____	x	_____	=	_____



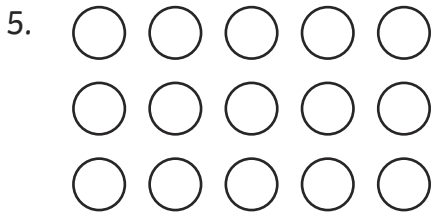
_____	x	_____	=	_____
_____	x	_____	=	_____



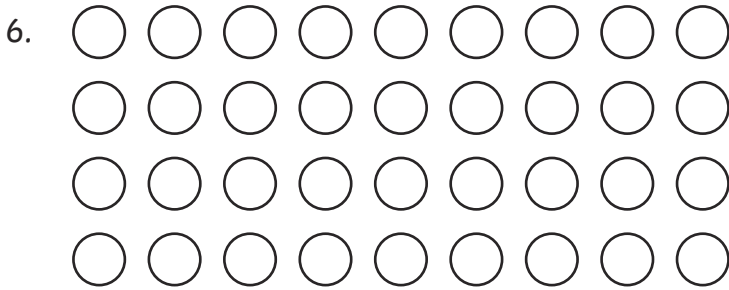
_____	x	_____	=	_____
_____	x	_____	=	_____



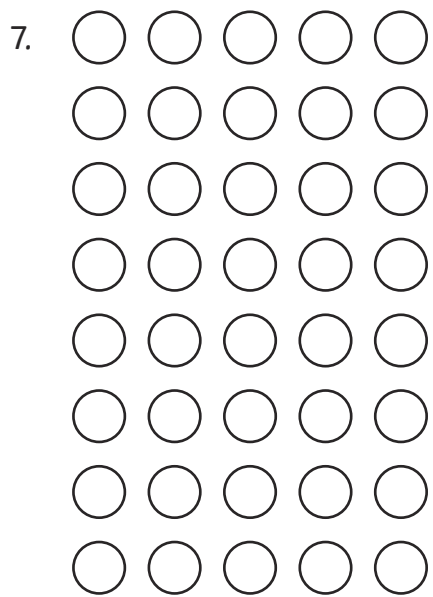
_____	x	_____	=	_____
_____	x	_____	=	_____



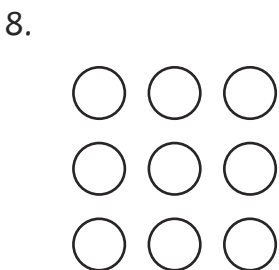
_____	x	_____	=	_____
_____	x	_____	=	_____



_____	x	_____	=	_____
_____	x	_____	=	_____



_____	x	_____	=	_____
_____	x	_____	=	_____



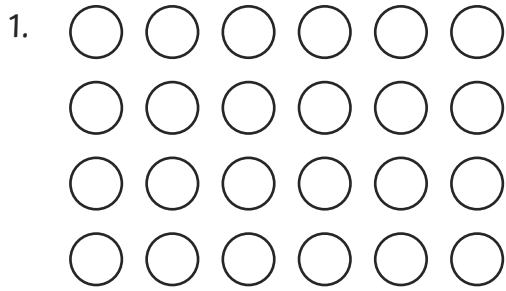
_____	x	_____	=	_____
_____	x	_____	=	_____

Challenge

Draw 32 dots in as many different arrays as you can and write a number sentence for each one.

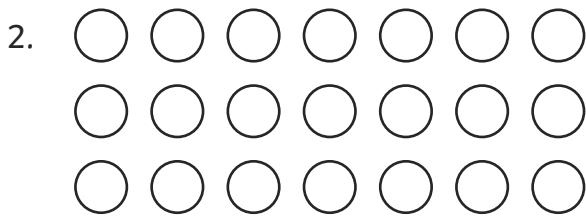
Introducing Multiplication Arrays **Answers**

Count in 3s, 4s and 8s to find the total in each array. Write two number sentences for each array using the Commutative Law.



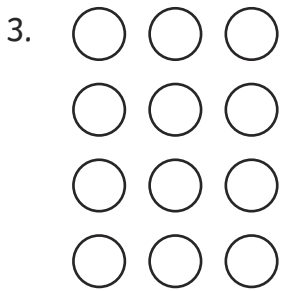
$$6 \times 4 = 24$$

$$4 \times 6 = 24$$



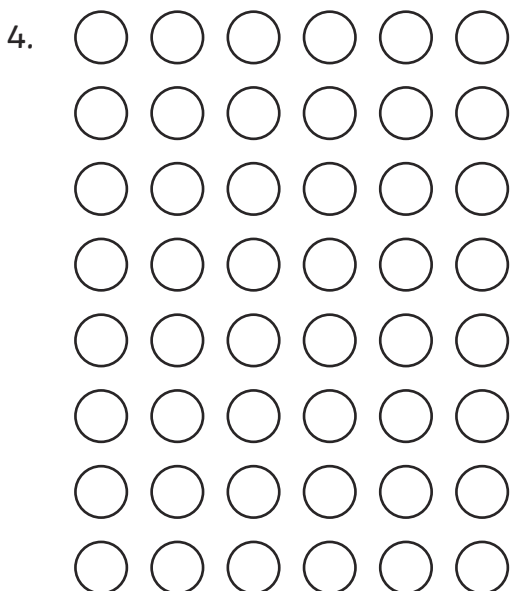
$$7 \times 3 = 21$$

$$3 \times 7 = 21$$



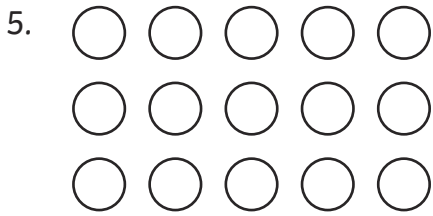
$$3 \times 4 = 12$$

$$4 \times 3 = 12$$



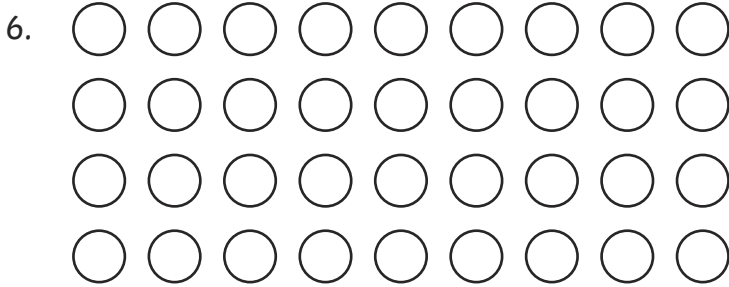
$$6 \times 8 = 48$$

$$8 \times 6 = 48$$



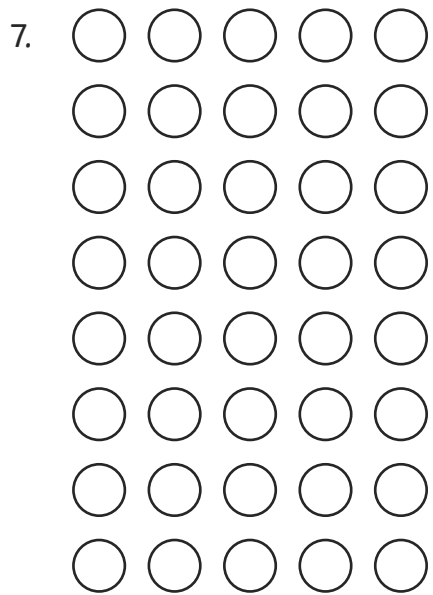
$$5 \times 3 = 15$$

$$3 \times 5 = 15$$



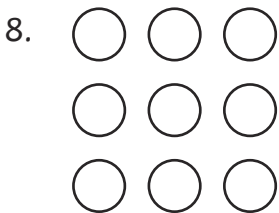
$$9 \times 4 = 36$$

$$4 \times 9 = 36$$



$$5 \times 8 = 40$$

$$8 \times 5 = 40$$



$$3 \times 3 = 9$$

$$3 \times 3 = 9$$