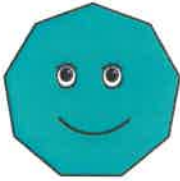
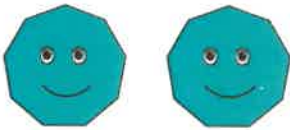
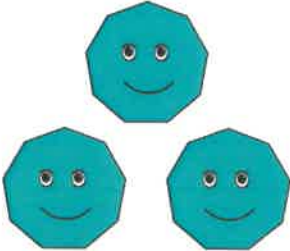
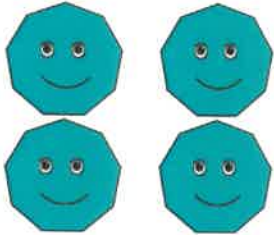
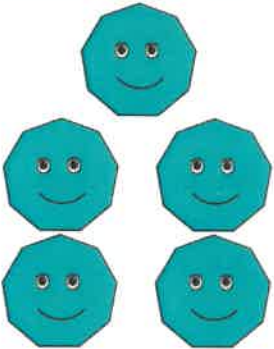
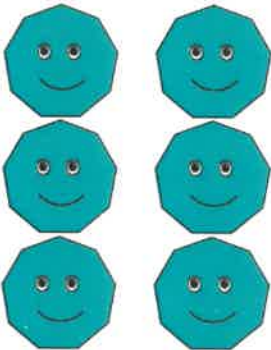
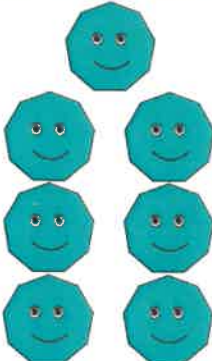
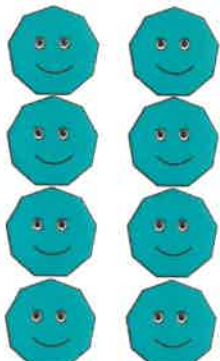
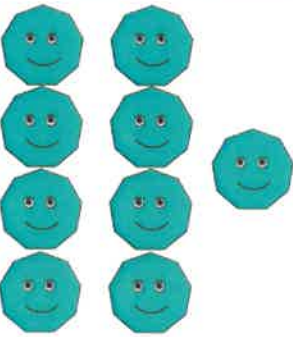
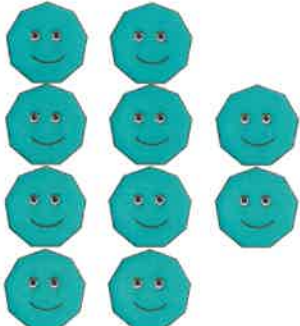

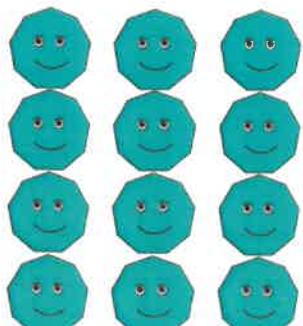


# Counting in 9s *Moonstones*

Each nonagon has 9 sides. How many sides are on each set of nonagons below?

_____ sides 	_____ sides 	_____ sides 	_____ sides 
_____ sides 	_____ sides 	_____ sides 	_____ sides 
_____ sides 	_____ sides 	_____ sides 	_____ sides 

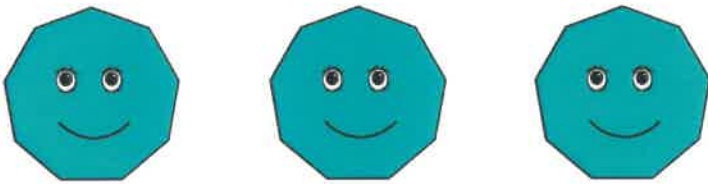
# Counting in 9s

Citrines

Count in 9s

---

There are 9 sides on each nonagon. How many sides are on 3 nonagons?



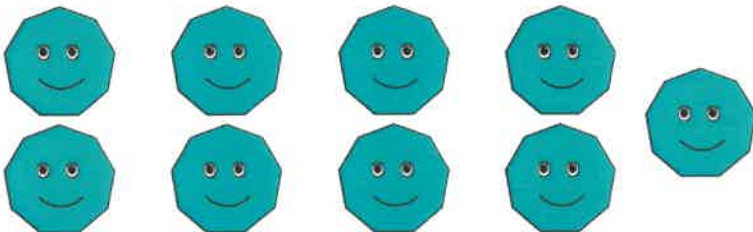
\_\_\_\_\_ sides

There are 9 sides on each nonagon. How many sides are on 5 nonagons?



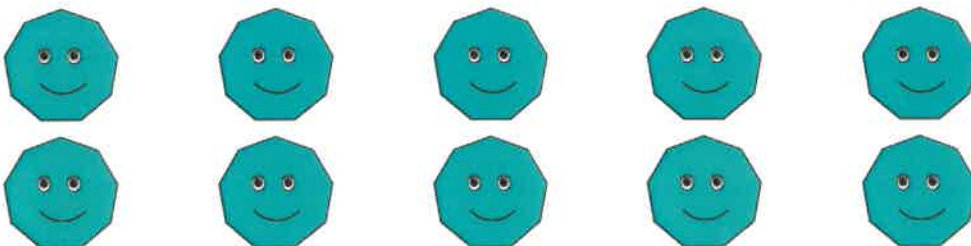
\_\_\_\_\_ sides

There are 9 sides on each nonagon. How many sides are on 9 nonagons?



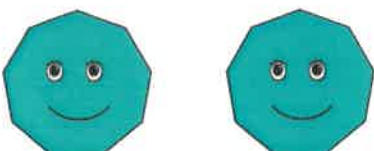
\_\_\_\_\_ sides

There are 9 sides on each nonagon. How many sides are on 10 nonagons?



\_\_\_\_\_ sides

There are 9 sides on each nonagon. How many sides are on 2 nonagons?



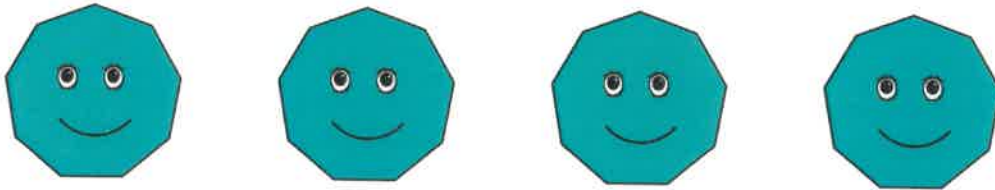
\_\_\_\_\_ sides

# Counting in 9s

Emeralds

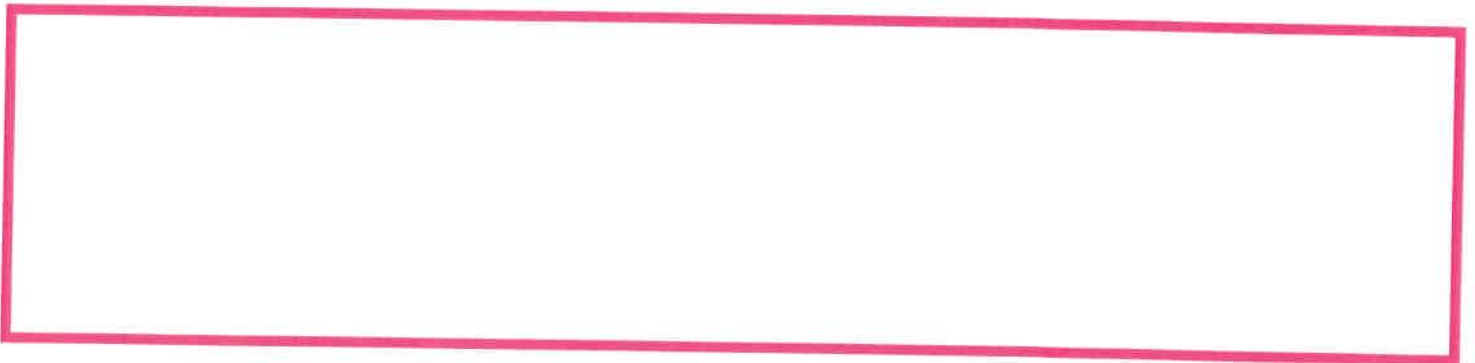
Count in 9s

There are 9 sides on each nonagon. How many sides are on 4 nonagons?



\_\_\_\_\_ nonagons have \_\_\_\_\_ sides altogether.

There are 9 sides on each nonagon. How many sides are on 6 nonagons?  
Draw the nonagons below.



\_\_\_\_\_ nonagons have \_\_\_\_\_ sides altogether.

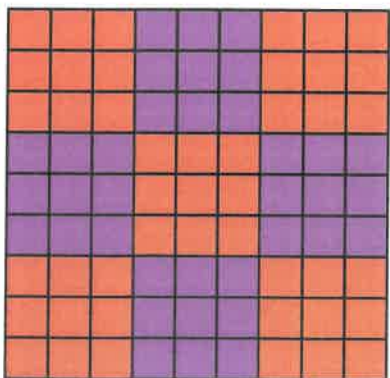
There are 9 sides on each nonagon. How many sides are on 8 nonagons?  
Draw the nonagons below.



\_\_\_\_\_ nonagons have \_\_\_\_\_ sides altogether.

### Bathroom Tile Design

Calculate the number of tiles.



orange =

purple =

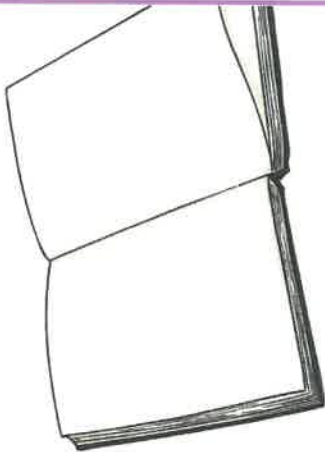
total =

There are 9 chapters in the book.

Each chapter has 11 pages.

How many pages are in the whole book?

pages

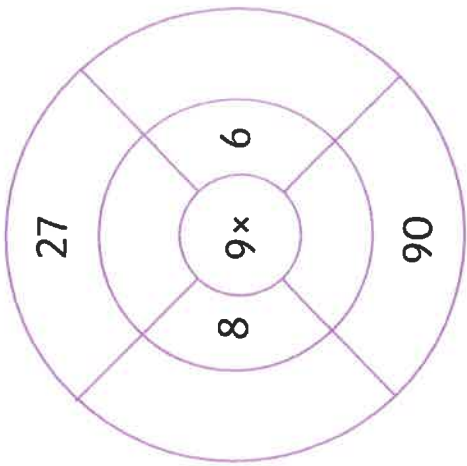


Explain how knowing 10 times table facts can help with working out 9 times table facts.

Complete the number sequence.

9		27		36	
99	90				54
					63

Complete the multiplication wheel.

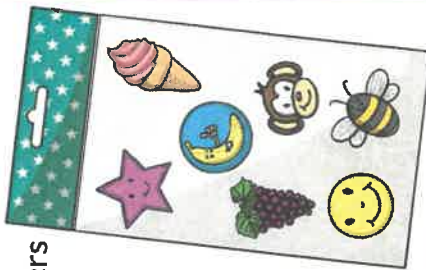


The teacher needs 63 stickers.

Each pack contains 9 stickers.

How many packs of stickers does the teacher need to buy?

packs



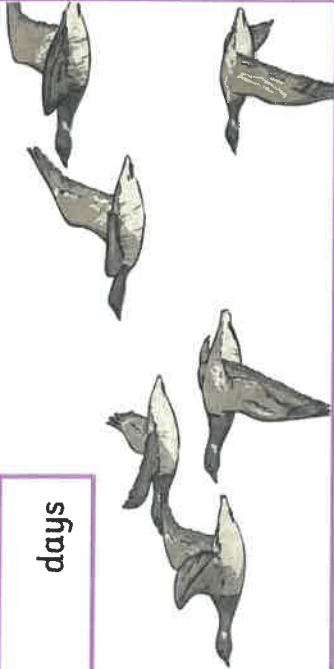
# Sapphires

# Amethysts

On average, migrating birds fly 9 miles a day.

How many days would it take a bird to fly 72 miles?

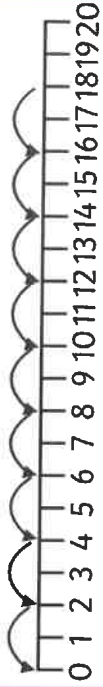
days



Look at the multiples of 9. Identify and explain any interesting patterns.

9  
18  
27  
36  
45  
54

Complete the calculation to match the number line.



$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

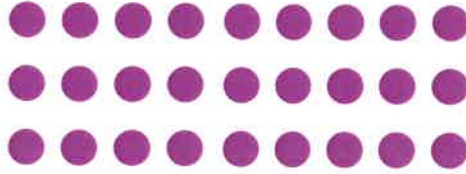
Fill in the missing boxes.

$$5400 \div \boxed{\phantom{00}} = 9$$

$$\boxed{\phantom{00}} \times 60 = 5400$$

$$\boxed{\phantom{00}} = 9 \times 60$$

Circle the facts that match the array.



$$9 + 9 + 9 = 27$$

$$36 \div 9 = 4$$

$$3 \times 9 = 27$$

$$9 + 9 + 9 + 9 = 36$$

Circle the **correct** calculations.

$$9 \times 9 = 72$$

$$36 \div 9 = 4$$

$$45 = 5 \times 9$$

$$90 \div 9 = 10$$

$$9 \times 2 = 16$$

$$11 = 98 \div 9$$

$$9 = 9 \times 1$$

$$63 \div 9 = 6$$