

7

28

=

28

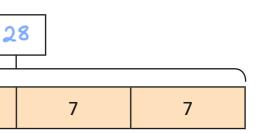
56								
7	7	7	7	7	7	7	7	

full teams.

63

c) How many players are there in 9 netball teams?

a) How many players are there in 4 netball teams?



players in 4 netball teams.

b) If there are 56 players, how many full teams are there?

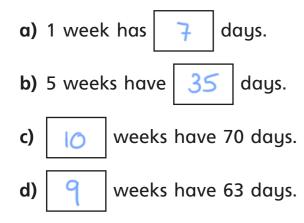
players in 9 netball teams.



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Complete the sentences.



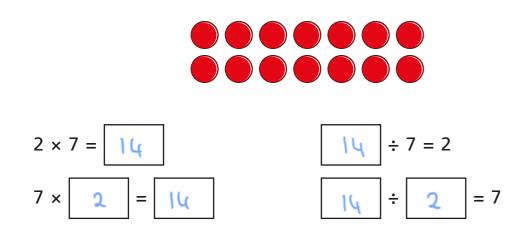
The Patel family went on holiday for 6 weeks. The Logan family went on holiday for 40 days.

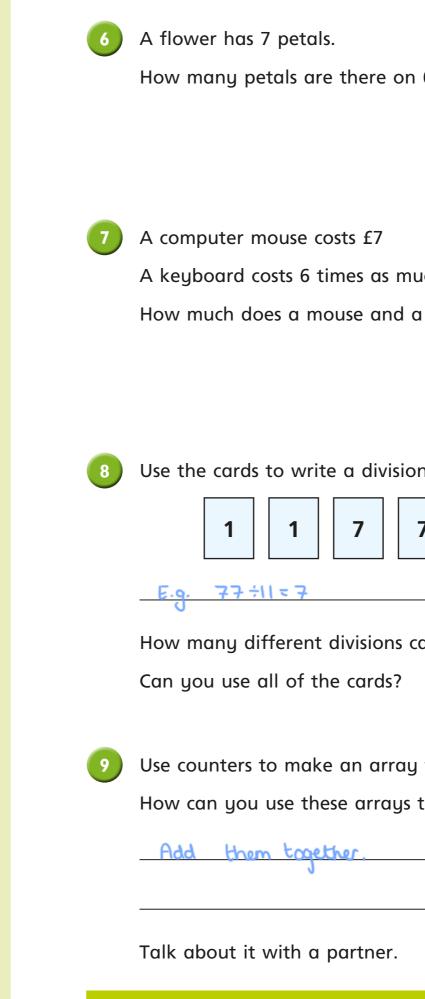
Who went on holiday for the longest? <u>The Patel family</u> How do you know?

6 weeks is 42 days.



Complete the number sentences to describe the array.





6 flowers?	
42	
ch as the mouse.	
keyboard cost in total?	
649	
<b>7 7</b> $=$ $\div$	
an you write?	
to show 3 × 5 and 3 × 2 to work out 3 × 7?	
_	



# 7 times-table and division facts

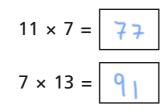
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Here is a 100 square.

3

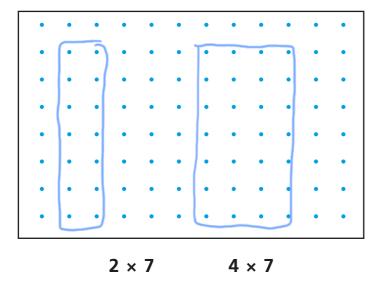
1	2	3	4	5	6	M	8	9	10
11	12	13	Var	15	16	17	18	19	20
12/2	22	23	24	25	26	27	28	29	30
31	32	33	34	135	36	37	38	39	40
41	12	43	44	45	46	47	48	49	50
51	52	53	54	55	156	57	58	59	60
61	62	63	64	65	66	67	68	69	10
71	72	73	74	75	76	M	78	79	80
81	82	83	84	85	86	87	88	89	90
Ist	92	93	94	95	96	97	98	99	100

**b)** Use the 100 square to work out the calculations.

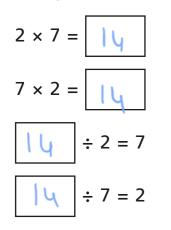


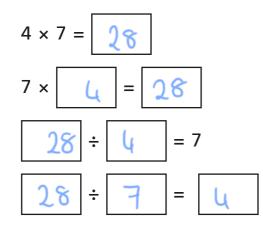
c) What patterns do you notice? Talk about them with a partner.

a) Draw boxes around the dots to represent the multiplications.

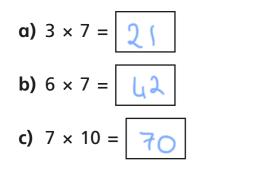


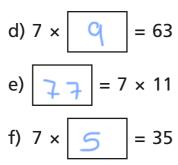
**b)** Use your answers to complete these fact families.





Complete the calculations.

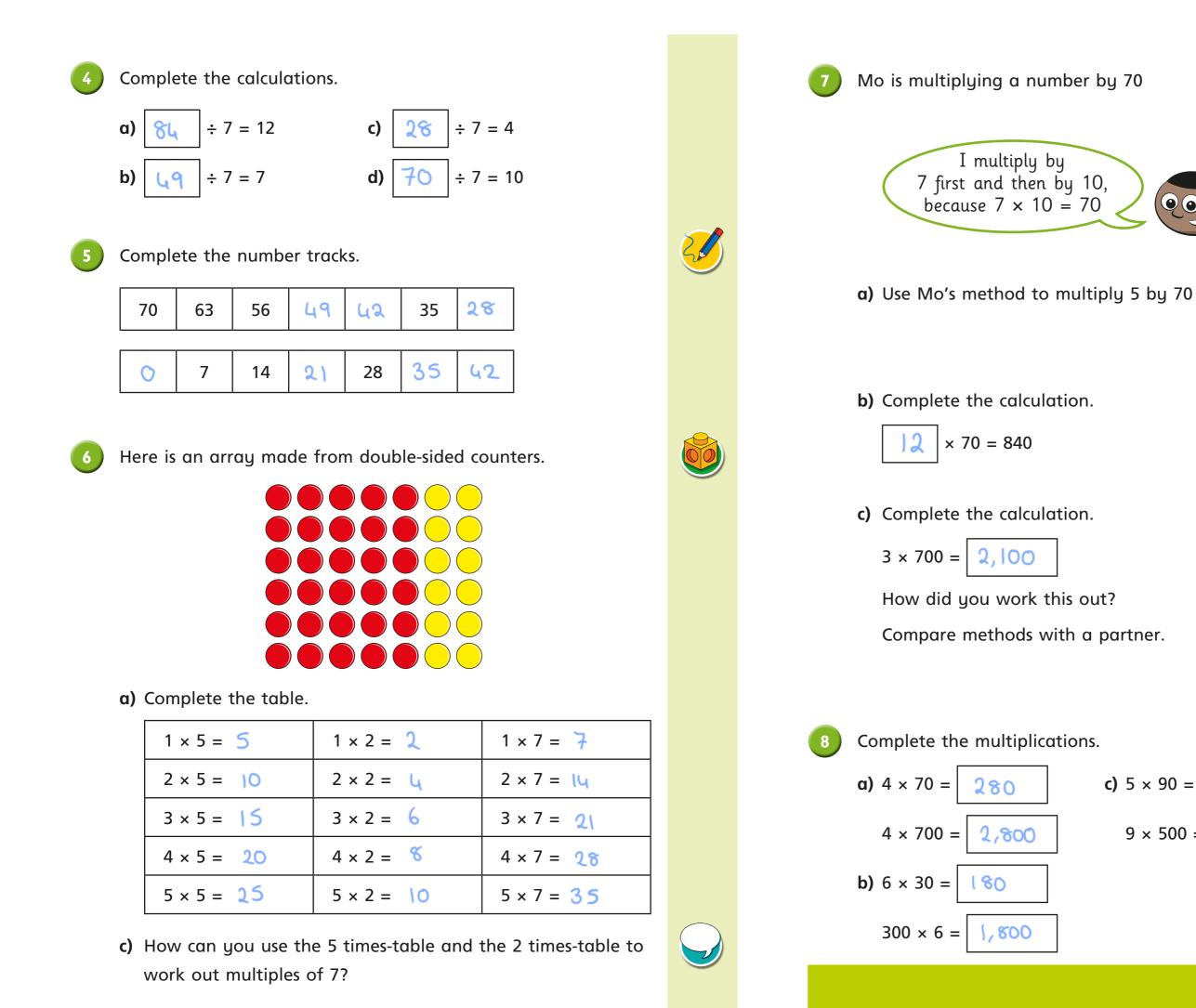






a) Colour all the numbers that are in the 7 times-table.

$$84 \div 7 = \boxed{12}$$
$$14 \times 7 = \boxed{98}$$



I multiply by

280

180

2,800

1,800



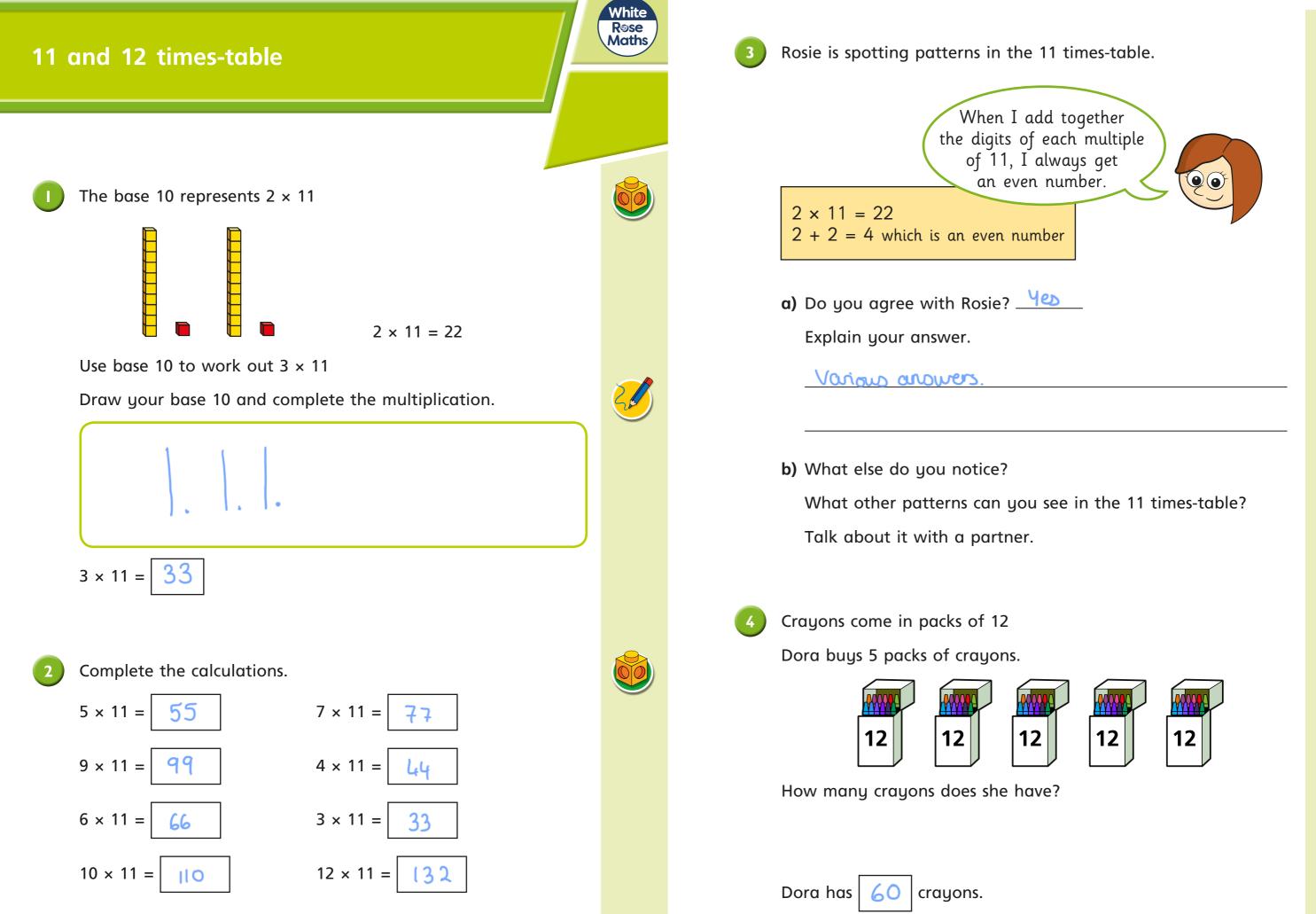




c) 
$$5 \times 90 = (150)$$
  
 $9 \times 500 = (150)$ 

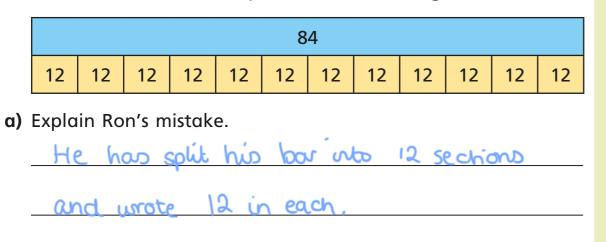








Ron uses a bar model to represent 84 divided by 12



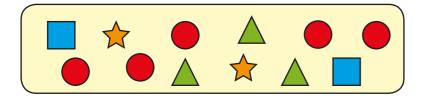
b) Draw the correct bar model diagram to represent 84 divided by 12

84											
7	7	7	7	7	7	7	7	7	7	7	7



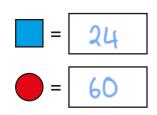
Amir is making pictures using shapes.

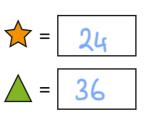
Here is one picture.



Amir makes 12 pictures like this one.

- a) How many shapes does he use altogether? Show your working.
- b) If each picture is exactly the same, how many of each shape does Amir use?





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- Mr Scott is organising a cricket tournament. a) There are 11 players in a cricket team.
  - 5 teams have signed up for the tournament. How many players have signed up?
- b) Mr Scott needs 132 players signed up to go ahead with the tournament.

How many more teams are needed?

more teams are needed.

Dexter has been looking at the 12 times-table. of 12 together.



- a) Dexter thinks the next number in the pattern will be 15
  - Is he correct? <u>No</u>
  - Explain your answer. 6 + 0 = 6
- b) What happens when he tries this for all the multiples of 12 up to 12 × 12?

Is there a pattern?

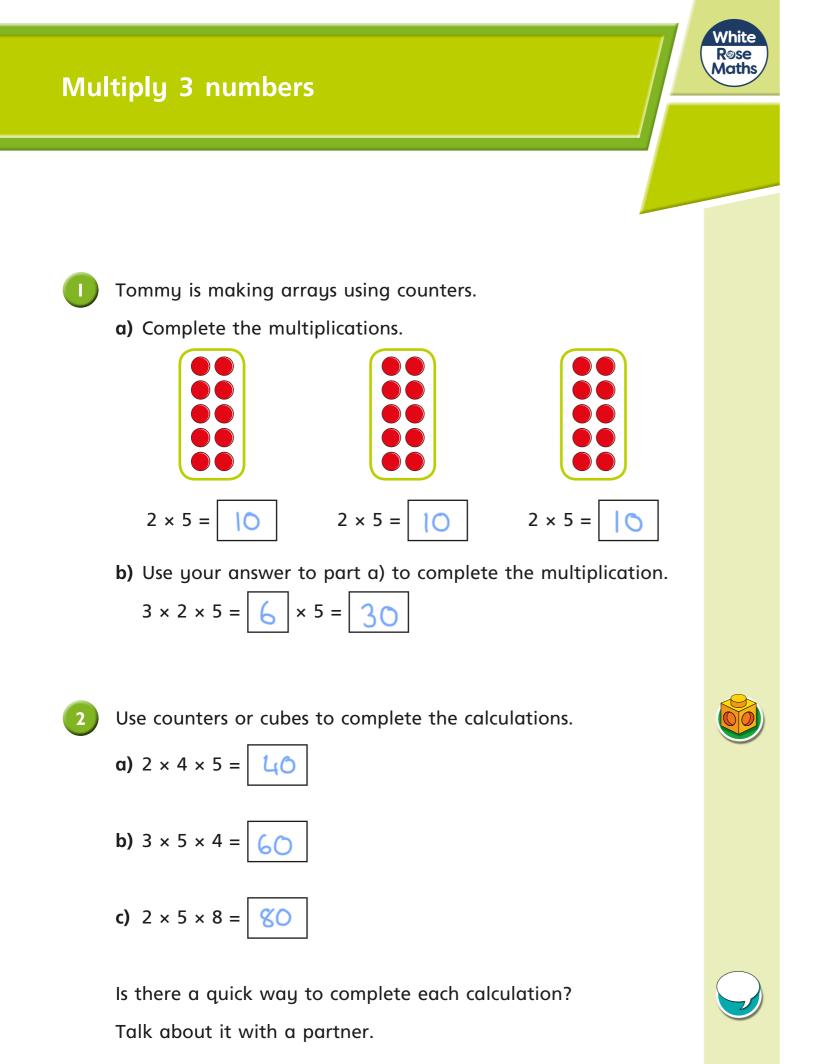


He notices something when he adds the digits of the multiples

1 + 2 = 32 + 4 = 63 + 6 = 94 + 8 = 12

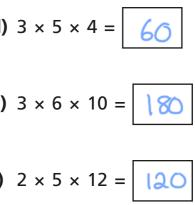


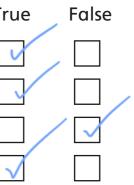




Complete the multiplications. **d)** 3 × 5 × 4 = **α)** 3 × 4 × 5 = 60 **b)**  $2 \times 3 \times 8 = 4$ e) 3 × 6 × 10 = 180 **c)** 2 × 4 × 7 = 56 f) 2 × 5 × 12 = 120 Is each statement true or false? Tick your answers. True False  $7 \times 8 = 7 \times 4 \times 2$  $12 \times 4 = 2 \times 4 \times 6$  $3 \times 2 \times 8 = 5 \times 8$  $2 \times 7 \times 4 = 4 \times 7 \times 2$ Compare answers with a partner. Here are some digit cards. 5 6 3 a) Use the digit cards to create a multiplication and work out the answer. × b) How many different multiplications can you create?

What do you notice about all of your answers?









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Eggs are put in boxes in arrays of  $2 \times 3$ Dani buys 12 boxes.

72

102

How many eggs does she buy altogether?

Dani buys 5 more boxes.

How many eggs does she have now?

a) Write 30 as the product of 3 numbers.

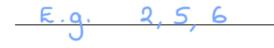
2 × 3	×	5	= 30
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**b)** How many different ways can you write the multiplication?

$$E.g. 1 \times 6 \times 5 = 30$$
  
 $3 \times 1 \times 10 = 30$ 



Kim rolls three 6-sided dice. The product of her numbers is 60 a) What numbers could she have rolled?



- b) How many different ways could Kim have made 60? Talk about it with a partner.
- c) Roll three dice and find the product of the numbers you roll.

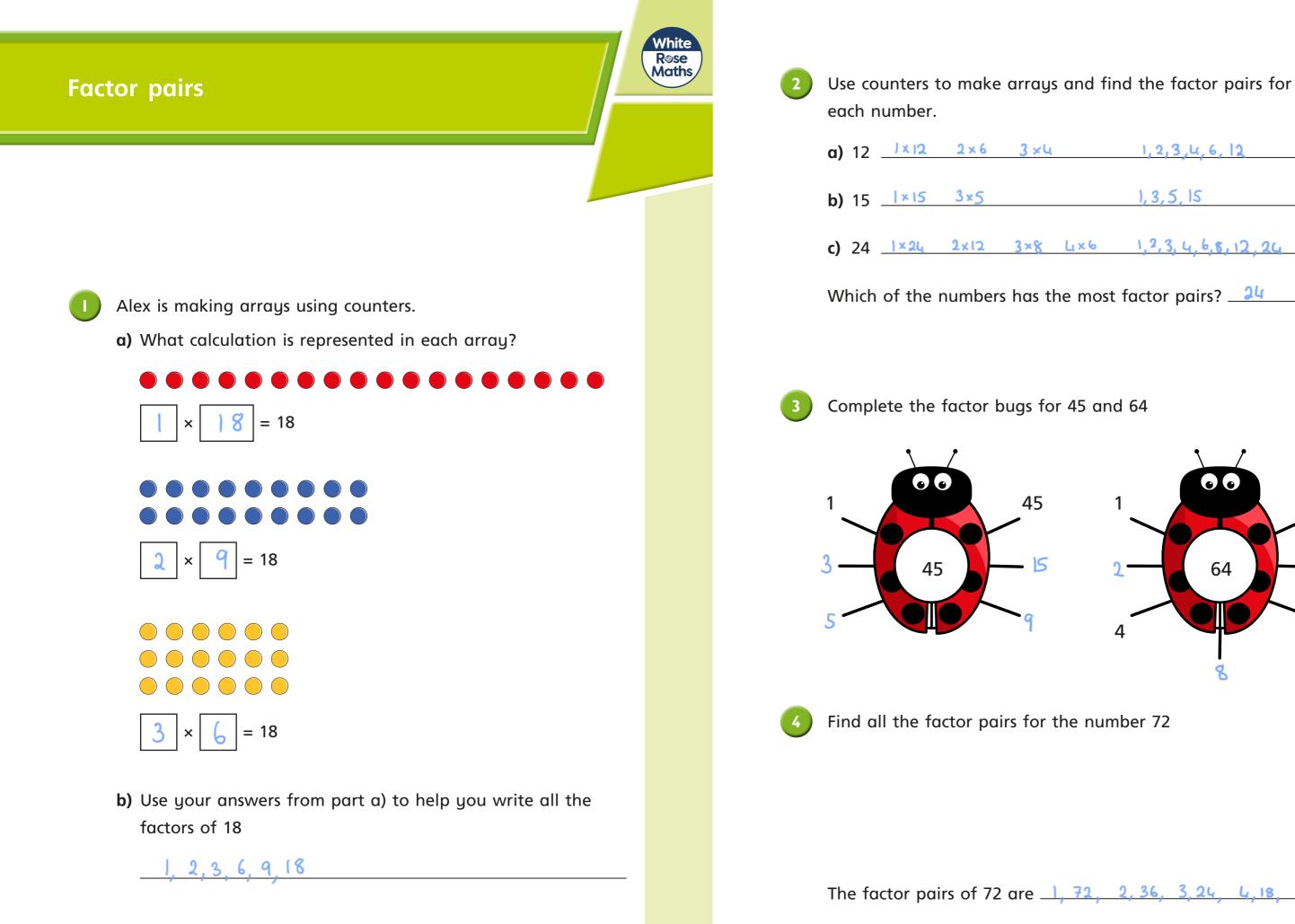
In the library there are 5 bookcases. Each bookcase has 4 shelves. On each shelf there are 12 books. How many books are there in the library?







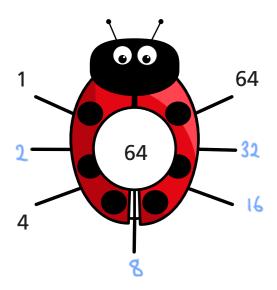




6,12, 8,9



Which of the numbers has the most factor pairs?



70	0	21	2 01	1 10	>
71			3.24	L . 12	5
_					

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