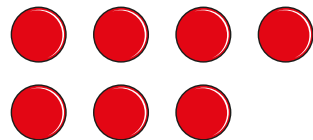




- 1 Aisha makes different arrays with 7 counters.
She makes an array with 1 counter in each column.



She makes an array with 2 counters in a column.



- a) Is it possible to arrange the counters in another way
so that they make a rectangular array? _____
Draw counters to support your answer.

- b) What are the factors of 7? and

- c) Explain why 7 is a prime number.



- 2 Complete the table.

Number	Factors	Is the number prime?
5	1 and 5	Yes
9		
11		
14		
15		
19		

- 3 A prime number has exactly two factors: 1 and itself.
List the prime numbers up to 20

- 4 Is 25 a prime number? _____
How do you know?

- 5 Here are sequences of consecutive prime numbers.
Complete the sequences.

a) 7, 11, 13, , 19

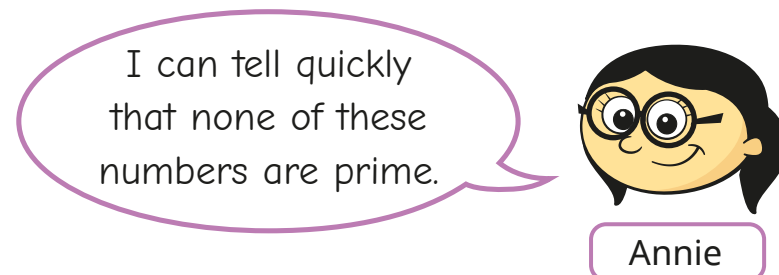
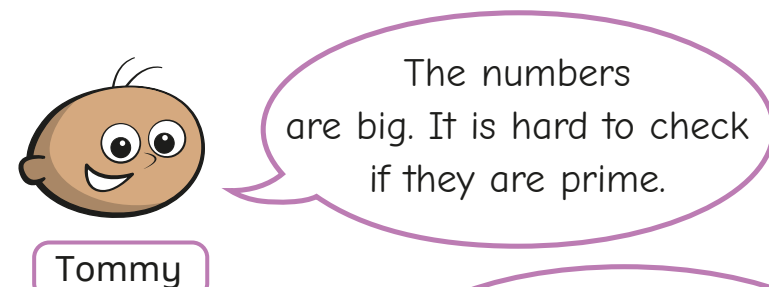
b) 37, 31, 29, , 19

- 6 Here is part of a hundred square.
Shade all the prime numbers.

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

- 7 Here are some numbers.

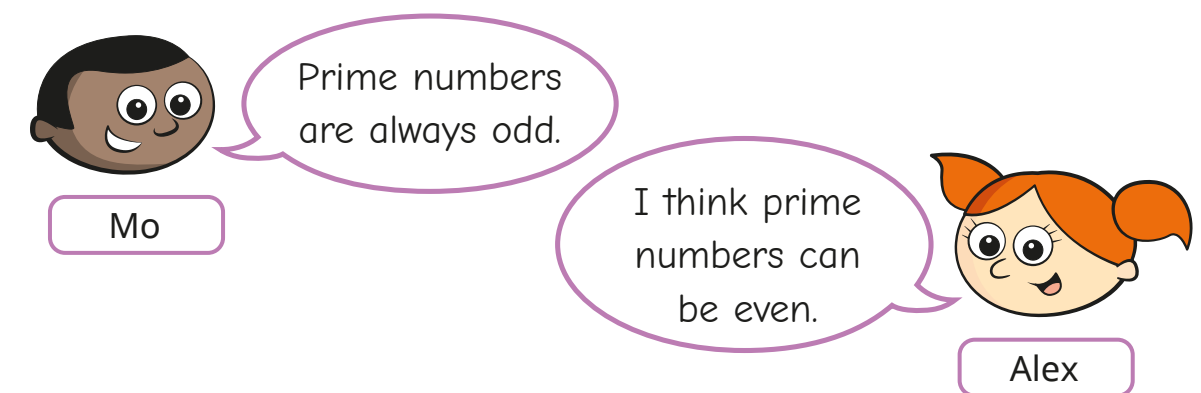
126	175	2,378	777	381	9,000
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How does Annie know that none of the numbers are prime?

Compare answers with a partner.

- 8 Mo and Alex are talking about prime numbers.



Who is correct?

How do you know?

- 9 Teddy writes five consecutive numbers.
Three of the numbers are prime.
What are the five consecutive numbers?

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- 10 Kim is thinking of a prime number.
It is one more than a multiple of 11 and one less than a factor of 48
What number could Kim be thinking of?

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Are there any other answers?

