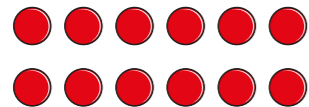


1 Dexter is using arrays to find factor pairs of 12

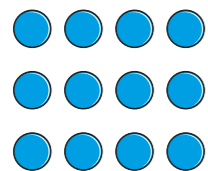
a) Complete the multiplication shown by each array.



$$\square \times \square = 12$$



$$\square \times \square = 12$$



$$\square \times \square = 12$$

b) Complete the sentences.

12 has  factor pairs.

12 has  factors altogether.

c) List all the factors of 12

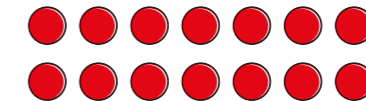
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2 Sam is using arrays to find factor pairs of 14

a) Write a multiplication sentence to match each array.




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b) Explain why there are no other arrays that can be made using 14 counters.

c) Complete the sentences.

14 has  factor pairs.

14 has  factors altogether.

3 a) Use counters to make arrays and find the factor pairs of 20

b) Complete the sentences.

20 has  factor pairs.

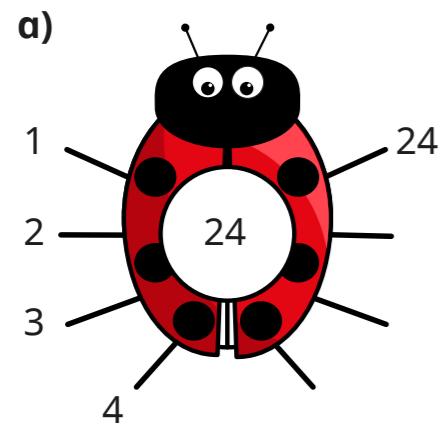
20 has  factors altogether.

c) List all the factors of 20

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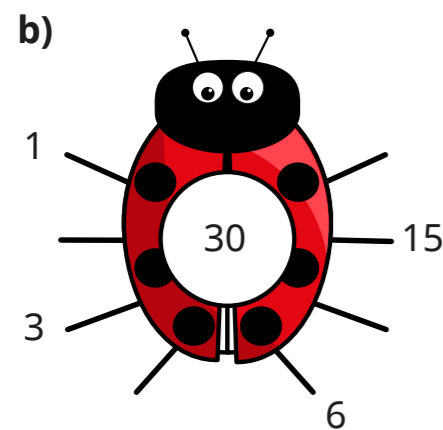


4 Complete the factor bugs and the sentences.



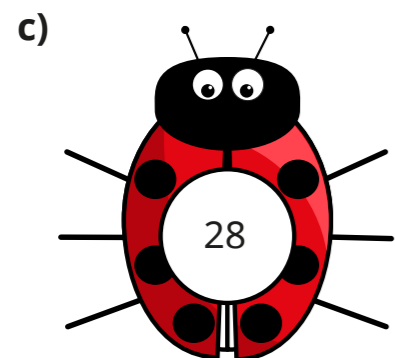
24 has  factor pairs.

24 has  factors.



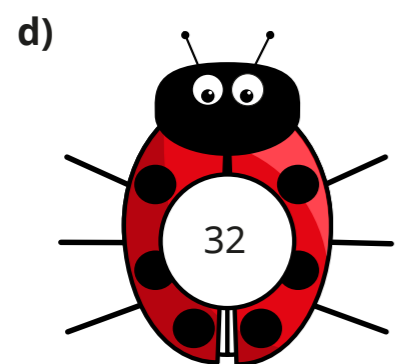
30 has  factor pairs.

30 has  factors.



28 has  factor pairs.

28 has  factors.



32 has  factor pairs.

32 has  factors.

5 a) Draw a factor bug for 18

b) List all the factors of 18

\_\_\_\_\_

6 Find all the factor pairs for each number.

a) 22

\_\_\_\_\_

b) 40

\_\_\_\_\_

c) 25

\_\_\_\_\_

7 Circle the numbers that are factors of 16

2      4      6      8      10      13

Use cubes or counters to help you.

8 Is the statement true or false?

All numbers have an even number of factors.

Explain your answer.

\_\_\_\_\_

