

Checking

- Identify all the factors of each number.

a) 16	c) 32
b) 27	d) 37
- Sandeep's class has 50 flowers to plant as another Earth Day activity. Ingrid's class has 60 flowers. Which number of flowers can be planted in more arrays?

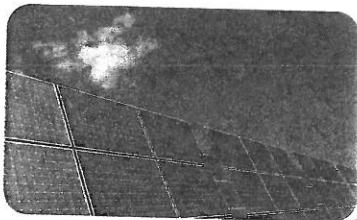
Practising

choose 4

- Identify all the factors of each number.

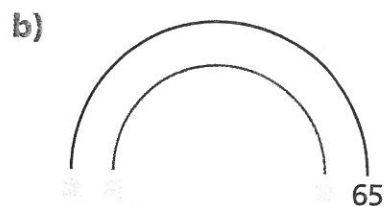
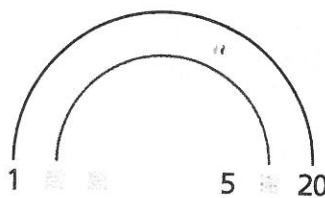
a) 40	d) 48
b) 67	e) 56
c) 22	f) 64
- Identify all the factors of 28.
 - What is another number from 20 to 30 that has the same number of factors as 28?
- A school in Cochrane, Alberta, has 24 solar panels on the roof to produce electricity.
 - Sketch the possible arrays that can be made with 24 solar panels.
 - How can you use the arrays you sketched in part a) to identify all the factors of 24?
- Nadia wants to display the coins in her coin collection in an array. The number of coins she has can be arranged in only one row or in only one column. If the number of coins is between 20 and 25, how many coins does she have? Show your work.
- Which factors are missing from each rainbow?

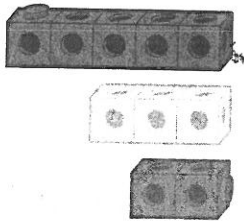
a)	b)
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OR

OR
10





8. Emily has three different lengths of linking cubes. They cannot be taken apart. She is combining them to make these lengths:

12 cubes, 40 cubes, 34 cubes, 39 cubes, 42 cubes

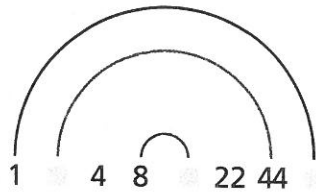
- a) Which lengths can she make using only black?
- b) Which lengths can she make using only white?
- c) Which lengths can she make using only red?

9. What number is a factor of every whole number? Explain your thinking.

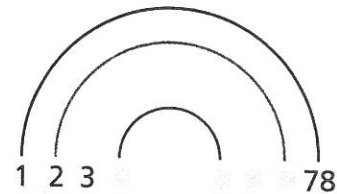
10. Which factors are missing from each rainbow?

OK
#7

a)



b)

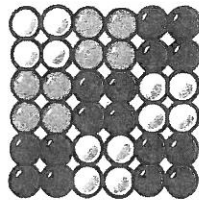


11. Caleb can arrange the stamps in his collection in eight equal rows with no stamps left over.

- a) How do you know that 8 is a factor of the number of stamps in Caleb's collection?
- b) How do you know that both 2 and 4 are factors of the number of stamps? Use a sketch to explain.

OK

12. Sage formed square arrays with beads. Each array has fewer than 100 beads. The side lengths of all the square arrays have 2 as a factor. How many beads might be in each array? Explain what you did.



13. What are some different ways to identify all the factors of a number? Use an example from 20 to 40 to explain.