

P4 Singapore Math Factors and Multiples 1



Name:_____

Date:_____

Factors

List all the factors of 18:

$$2 \times 9 = 18$$

So, the factors of 18 are 1, 2, 3, 6, 9 and 18.

Multiples

Multiples are the numbers you get when you skip count.

For example, the multiples of 2 are:

$$2, 4, 6, 8, 10, 12, \dots$$

Hence, the first multiple of 2 is 2. The second multiple of 2 is 4. The third multiple of 2 is 6.

Finding Common Factors

Eg: Find the common factors of 6 and 18:



List the factors of 6 and 18 first. Then, circle the factors that are common between them. Those are the common factors.

$$1x 18 = 18$$
 $1x6 = 6$

$$(2)x 9 = 18$$
 $(2)x(3) = 6$

Hence, the common factors of 6 and 18 are 1, 2, 3 and 6.

Finding Common Multiples

Eg: Find the first common multiple of 3 and 6:

List the multiples of 3:

3, 6, 9, 12, 15, 18...

List the multiples of 6:

6,12, 18, 24...

The first common multiple of 3 and 6 is 6.



Question 1.

Write down the following **factors** of these numbers:

(14

Question 2.

List the next 4 multiples of each of these numbers:

4, _____, _____, _____

6, ____, ____, ____

7, _____, _____, _____

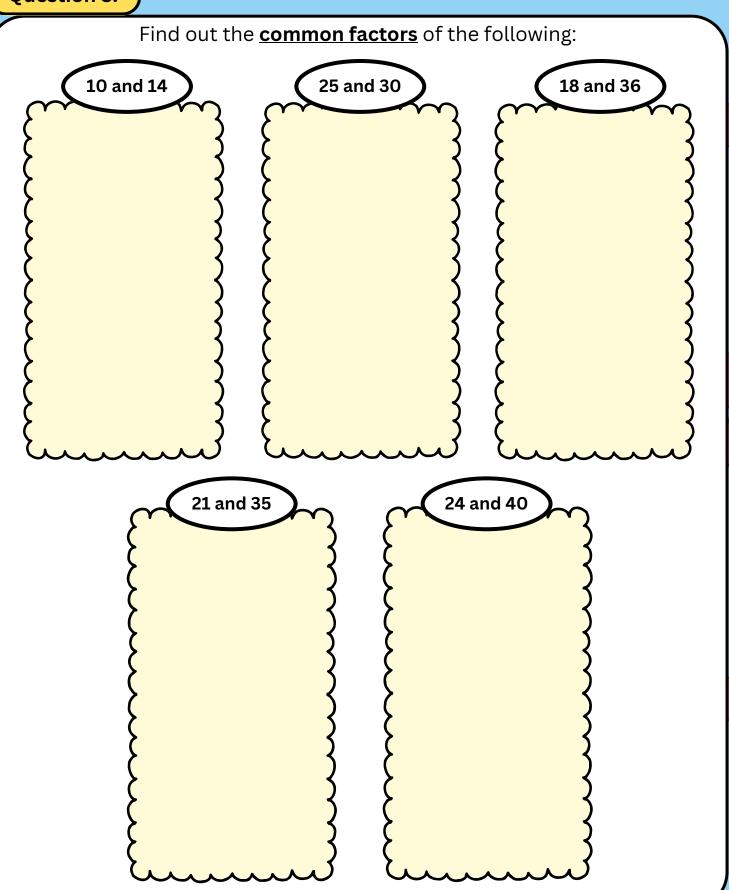
8, ____, ____, ____

12, _____, _____, _____

15, ____, ____, ____

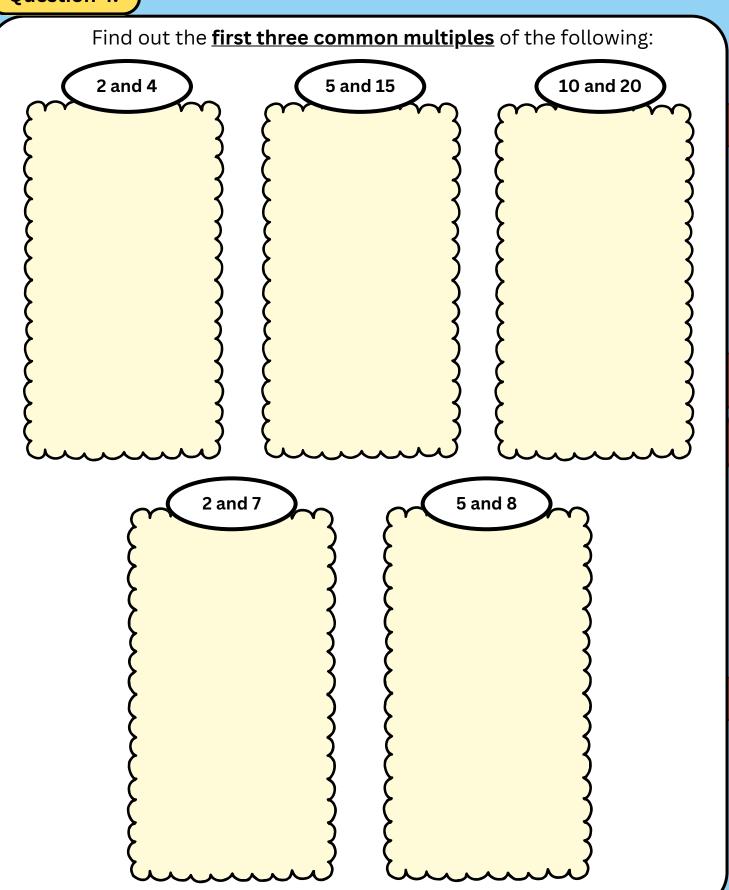


Question 3.





Question 4.





ANSWER KEY



$$10 - 1, 2, 5, 10$$

$$14 - 1, 2, 7, 14$$

$$36 - 1, 2, 3, 4, 6, 9, 12, 18, 36$$

2) List the next 4 multiples of each of these numbers:



ANSWER KEY

3) Find out the common factors of the following:

10 and 14 - 1, 2

25 and 30 - 1, 5

18 and 36 - 1, 2, 3, 6, 9, 18

21 and 35 - 1, 7

24 and 40 - 1, 2, 4, 8

4) Find out the first three common multiples of the

following:

2 and 4 - 4, 8, 12

5 and 15 - 15, 30, 45

10 and 20 - 20, 40, 60

2 and 7 - 14, 28, 42

5 and 8 - 40, 80, 120