

Listing Factors

ANSWERS

1

List all the factors of 8.

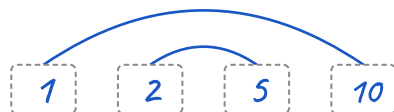
$$\begin{array}{l} 1 \times 8 = 8 \\ 2 \times 4 = 8 \\ 3 \times \times = 8 \\ 4 \times 2 = 8 \end{array}$$



2

List all the factors of 10.

$$\begin{array}{l} 1 \times 10 = 10 \\ 2 \times 5 = 10 \\ 3 \times \times = 10 \\ 4 \times \times = 10 \\ 5 \times 2 = 10 \end{array}$$



3

List all the factors of 18.

$$\begin{array}{l} 1 \times 18 = 18 \\ 2 \times 9 = 18 \\ 3 \times 6 = 18 \\ 4 \times \times = 18 \\ 5 \times \times = 18 \\ 6 \times 3 = 18 \end{array}$$



4

List all the factors of 20.

$$\begin{array}{l} 1 \times 20 = 20 \\ 2 \times 10 = 20 \\ 3 \times \times = 20 \\ 4 \times 5 = 20 \\ 5 \times 4 = 20 \end{array}$$



5

List all the factors of 12.

$$\begin{array}{l} 1 \times 12 = 12 \\ 2 \times 6 = 12 \\ 3 \times 4 = 12 \\ 4 \times 3 = 12 \end{array}$$



6

List all the factors of 15.

$$\begin{array}{l} 1 \times 15 = 15 \\ 2 \times \times = 15 \\ 3 \times 5 = 15 \\ 4 \times \times = 15 \\ 5 \times 3 = 15 \end{array}$$



7

Mo puts 30 chairs in equal rows. How many chairs could be in each row?

$$\begin{array}{l} 1 \times 30 = 30 \\ 2 \times 15 = 30 \\ 3 \times 10 = 30 \\ 4 \times \times = 30 \\ 5 \times 6 = 30 \\ 6 \times 5 = 30 \end{array}$$



8

These are the factors of 24. Two are missing. Find them.

$$\begin{array}{l} 1 \times 24 = 24 \\ 2 \times 12 = 24 \\ 3 \times 8 = 24 \\ 4 \times 6 = 24 \\ 5 \times \times = 24 \\ 6 \times 4 = 24 \end{array}$$



Listing Factors *further practice*

ANSWERS

9



List all the factors of 28.

$$\begin{array}{l} 1 \times 28 = 28 \\ 2 \times 14 = 28 \\ 3 \times \times = 28 \\ 4 \times 7 = 28 \\ 5 \times \times = 28 \\ 6 \times \times = 28 \\ 7 \times 4 = 28 \text{ stop} \end{array}$$



10



List all the factors of 35.

$$\begin{array}{l} 1 \times 35 = 35 \\ 2 \times \times = 35 \\ 3 \times \times = 35 \\ 4 \times \times = 35 \\ 5 \times 7 = 35 \\ 6 \times \times = 35 \\ 7 \times 5 = 35 \text{ stop} \end{array}$$



11



List all the factors of 16.

$$\begin{array}{l} 1 \times 16 = 16 \\ 2 \times 8 = 16 \\ 3 \times \times = 16 \\ 4 \times 4 = 16 \text{ stop} \\ \times = 16 \\ \times = 16 \\ \times = 16 \end{array}$$



12



21 players get into equal teams.
How many could be in a team?

$$\begin{array}{l} 1 \times 21 = 21 \\ 2 \times \times = 21 \\ 3 \times 7 = 21 \\ 4 \times \times = 21 \\ 5 \times \times = 21 \\ 6 \times \times = 21 \\ 7 \times 3 = 21 \text{ stop} \end{array}$$



13



A baker puts 40 cakes in equal rows.
Write down every way she can do it.



1 row of 40, 2 rows of 20

4 rows of 10, 5 rows of 8

14



Which of these numbers are factors
of 36?

4 5 6 8 9

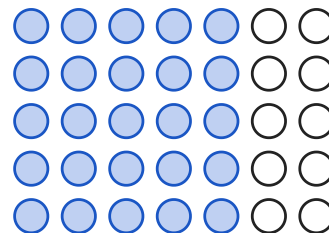


Answer 4, 6 and 9

15



5 is a factor of a number.
The number is more than 20 and
less than 30. What is the number?



Answer 25: 5 rows of 5

16



Leo says the factors of 20 are
2, 4, 5 and 10.
What has he forgotten?



Leo has forgotten
1 and 20, the pair 1×20