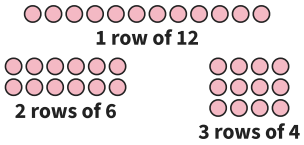
# Factors, multiples and primes

**1**

List all the factors of 12.




□ × □ = 12
□ × □ = 12
□ × □ = 12

□ □ □ □ □ □

Stop when the pairs meet in the middle.

**Factors** _____

**2**

List all the factors of 52.

1 × 52 = 52
□ × □ = 52
□ × □ = 52

□ □ □ □ □ □

**Factors** _____

**3**

List all the factors of 27.

□ × □ = 27
□ × □ = 27

□ □ □ □

**Factors** _____

**4**

List all the factors of 44.

□ × □ = 44
□ × □ = 44
□ × □ = 44

□ □ □ □ □ □

**Factors** _____

**5**

List all the factors of 64.
How many factors does 64 have?

**Factors** _____

**How many?** _____

**6**

Write down the first five multiples of 9.
Is 50 a multiple of 9?
Explain how you know.

□ □ □ □ □
9 × 1 9 × 2 9 × 3 9 × 4 9 × 5

_____

**Is 50?** _____

**7**

A prime number has exactly two factors.
Ring the prime numbers.

| | | | |
|---|---|---|---|
| 1 | 2 | 9 | 11 |
| 15 | 21 | 23 | 27 |

_____

_____

**Primes** _____

**8**

Sam lists the factor pairs of 60 as they come to mind: 2 × 30, 6 × 10, 3 × 20, 1 × 60, 5 × 12. Sam has missed a pair. Which one?

_____

_____

**Missed** _____

# Factors, multiples and primes *further practice*

**9**

List all the factors of **56**.

**Factors** _____

**10**

A bus leaves the station every 8 minutes. The first bus leaves at 9:00. Write down the times of the next four buses.

**Times** _____

**11**

A choir of 42 singers stands in equal rows, with nobody left over. Write down every number of rows they could make.

**Rows** _____

**12**

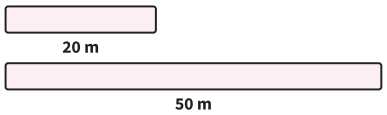
Ring all the prime numbers from 20 to 40.

| | | | | | | |
|---|---|---|---|---|---|---|
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 34 | 35 | 36 | 37 | 38 | 39 | 40 |

**Primes** _____

**13**

Two lengths of fencing are 20 m and 50 m. Both are cut into pieces of the same whole number of metres, with nothing left over. What lengths could the pieces be?




**Lengths** _____

**14**

Find the number between 40 and 60 that has an odd number of factors.

**Answer** _____

**15**

I am a multiple of 6. I am also a factor of 60. I am between 15 and 50. What number am I?

**Answer** _____

**16**

Zara says 51 is a prime number, because it is odd and it is not in the 2, 5 or 10 times tables. Is Zara right? Explain.

**Answer** _____