

## Practising factors - answers

1. Is 7 a factor of 14?

Correct answer: **Yes**. 7 is a factor of 14 because it divides in 14 exactly twice.  $14 \div 7 = 2$

2. Is 6 a factor of 20?

Correct answer: **No**. 6 is not a factor of 20 because it divides into 20 three times with a remainder of 2.  $20 \div 6 = 3$  remainder 2.

3. Circle the numbers below that are factors of 28:

2    6     14    3     7     1

4. Circle the numbers below that are **not** factors of 36:

5    6     7     8    9    36

5. Four is a factor of 12, 20 and 40. True or False?

Correct answer: **True**. 4 divides exactly into each of the numbers.  
 $12 \div 4 = 3$ ,  $20 \div 4 = 5$ ,  $40 \div 4 = 10$ .

6. Nine is **not** a factor of 54. True or False?

Correct answer: **False**.  $54 \div 9 = 6$ , so 9 is a factor of 54.

7. Seven has only two factors. What are they?

Correct answer: **the factors of 7 are 1 and 7**. A number with just one pair of factors is called a **prime number**.

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8. Complete these pairs of factors of 18.

1 × \_\_\_\_\_, 2 × \_\_\_\_\_, 3 × \_\_\_\_\_

Correct answer: **1 × 18, 2 × 9, 3 × 6** ... all make 18.

(You could self check by writing out each calculation with the answer 18 to see if they work:

1 × 18 = 18, 2 × 9 = 18, 3 × 6 = 18 etc.)

9. Write the list of factors of 10.

Correct answer: **the factors of 10 are 1, 2, 5 and 10.**

10 Write the list of factors of 25.

Correct answer: **the factors of 25 are 1, 5 and 25. 5 × 5 = 25** - we only write 5 once in the list.