

True or false?

Write T or F by the side of each statement according to whether it is true or false.

- | | | | | | |
|---|--|----------------------------|----|---------------------------------------|----------------------------|
| 1 | 12 is a square number | <input type="checkbox"/> F | 6 | 20 has six factors | <input type="checkbox"/> T |
| 2 | 13 is a prime number | <input type="checkbox"/> T | 7 | 36 is a multiple of 3, 4, 6, 8 and 12 | <input type="checkbox"/> F |
| 3 | 21 is a composite number (not prime) | <input type="checkbox"/> T | 8 | 33 is a prime number | <input type="checkbox"/> F |
| 4 | Prime numbers have exactly two factors | <input type="checkbox"/> T | 9 | 4^2 is 16 | <input type="checkbox"/> T |
| 5 | 16 has eight factors | <input type="checkbox"/> F | 10 | 5^2 is 10 | <input type="checkbox"/> F |

Mental skills workout

Solve these calculations with mental methods.

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|----|------------------|----------------------------------|----|------------------|----------------------------------|
| 11 | $40 \times 7 =$ | <input type="text" value="280"/> | 16 | $23 \times 19 =$ | <input type="text" value="437"/> |
| 12 | $6 \times 80 =$ | <input type="text" value="480"/> | 17 | $180 \div 6 =$ | <input type="text" value="30"/> |
| 13 | $3 \times 16 =$ | <input type="text" value="48"/> | 18 | $420 \div 7 =$ | <input type="text" value="60"/> |
| 14 | $18 \times 5 =$ | <input type="text" value="90"/> | 19 | $168 \div 8 =$ | <input type="text" value="21"/> |
| 15 | $23 \times 20 =$ | <input type="text" value="460"/> | 20 | $248 \div 4 =$ | <input type="text" value="62"/> |

Remember to use times tables and place value.



Factor challenge!

- 21 Find as many factors of 240 as you can! Write them in the box below.

1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 16, 20, 24, 30, 40, 48, 60, 80, 120, 240

I found this:



Easy



Challenging



I needed help