

26.02.24

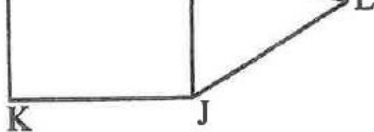
Number Nest Weekly Challenge



Warm up

- Approximately what is the height of an average ant?
 - 1mm
 - 1 foot
 - 1m
 - 1km
 - 1 mile
- My sister plays on her computer game for 15 hours each day. How many hours will she have played on her computer in a week?
- If **2 CLICK 3** means double 2 and add 3, what is the value of **4 CLICK 5**?
- Angles in a triangle add up to _____ degrees.
- I think of a number, multiply it by three, subtract zero from it and get zero as my answer. What was my number?
- List all the prime numbers between 10-99.

Activity

- GHJK is a square. JHL is an equilateral triangle. What is the size of angle HGL?
- A shop reduces its prices by 20% in a sale. I bought a coat for £60 in the sale. How much would it have cost me before the sale?
- 83 is a prime number. If we reverse the order of its digits we get 38 which is not a prime number. How many 2-digit prime numbers do give prime numbers when their digits are reversed?
- If all the whole numbers less than 100 are put in alphabetical order what is the fourteenth number in the list?
- I am Mr K Otic. In my sock drawer there are 4 grey socks, 8 brown socks and 6 blue socks all mixed together. If I take socks out the drawer in the dark what is the least number I end to take to be sure of getting a matching pair?
- Which is the best value for money?
 - £2.95 per kg
 - $2\frac{1}{2}$ kg for £7.50
 - 31p per 100g
 - 500g for £1.49
 - £1.30 per pound

Remember 1kg \approx 2.2lbs

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Challenge

What is the missing number in this puzzle?

