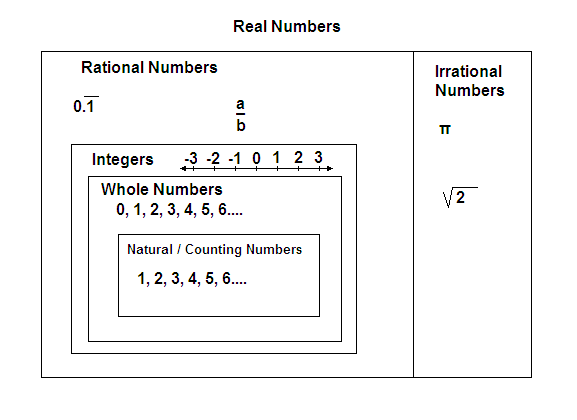
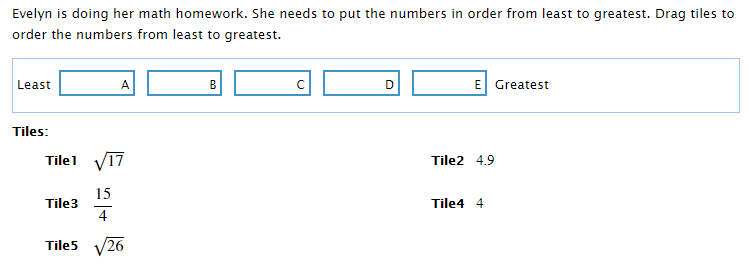
**Part 1: Real Numbers (Rational/Irrational Numbers, Square Roots)**



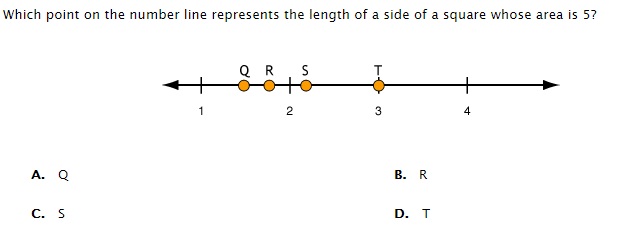
1. Which fraction is equivalent to ?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

2.



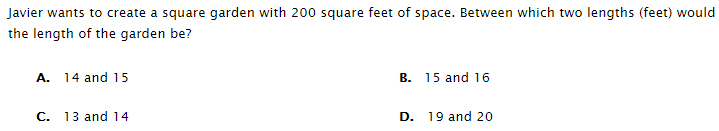
3.



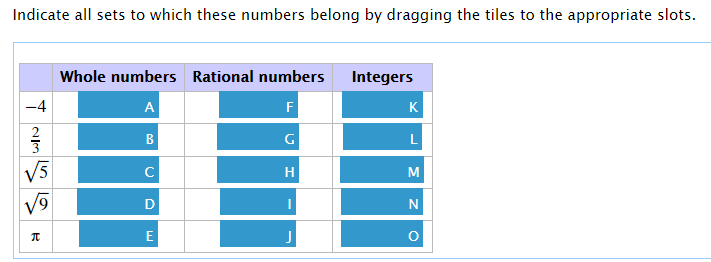
|  |  |  |  |
| --- | --- | --- | --- |
| ***Q*** | ***R*** | ***S*** | ***T*** |

4. Convert to a fraction in simplest form.

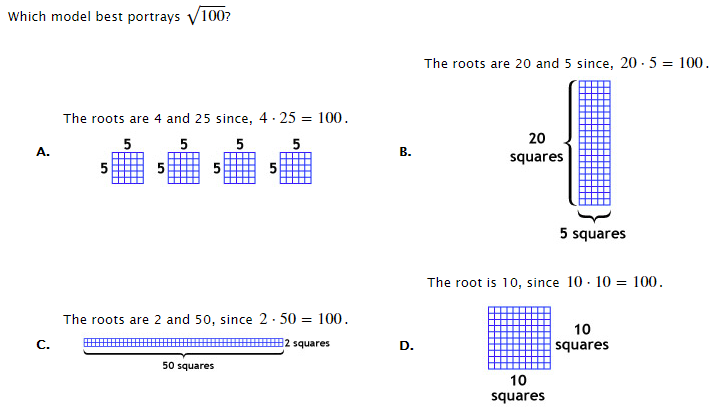
5.



6.

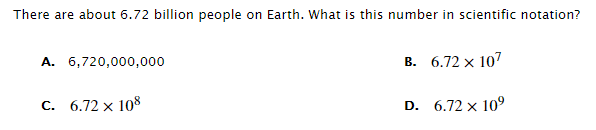


7.



**Part 2: Exponents and Scientific Notation**

8.



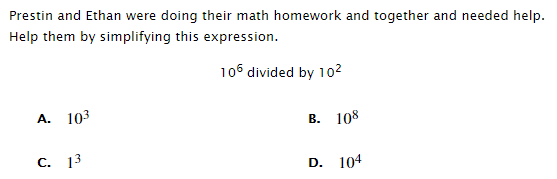
9. Maggie is trying to solve a homework problem. She has to arrange numbers that are expressed exponential form. Place the number in order from least to greatest.

, , , , , , and

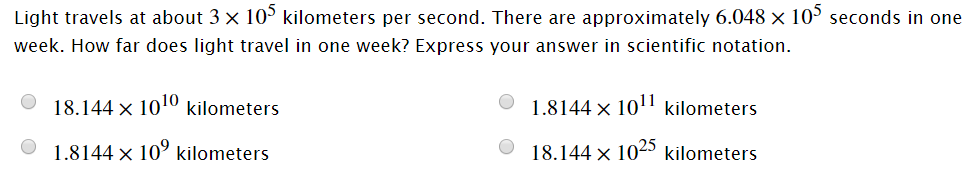
10.



11.

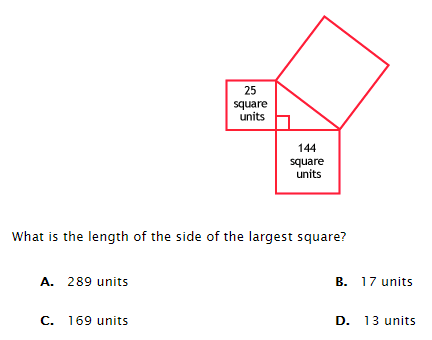


12.

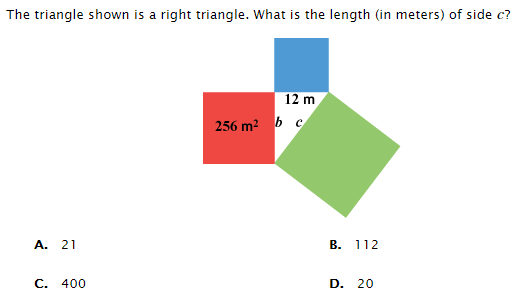


**Part 3: Pythagorean Theorem**

13.



14.



15. What is the distance between

