

Using Constants to Solve Equations

No Calculator

Solve equation for “k”, then solve for y:

1. Given $y=kx$ where $y= 18$ and $x=2$, what is the y, when $x=3$?
2. Given $y=kx$ where $y= 90$ and $x=10$, what is the y, when $x=13$?
3. Given $y=kx$ where $y= -32$ and $x=4$, what is the y, when $x=10$?
4. Given $y=kx$ where $y= -91$ and $x=13$, what is the y, when $x=17$?
5. Given $y=kx$ where $y= 18$ and $x=3$, what is the y, when $x=6$?
6. Given $y=kx$ where $y= 12$ and $x=2$, what is the y, when $x=7$?
7. Given $y=kx$ where $y= -21$ and $x=3$, what is the y, when $x=9$?
8. Given $y=kx$ where $y= -75$ and $x=15$, what is the y, when $x=21$?
9. Given $y=kx$ where $y= -24$ and $x=12$, what is the y, when $x=18$?
10. Given $y=kx$ where $y= 40$ and $x=8$, what is the y, when $x=11$?
11. Given $y=kx$ where $y= 56$ and $x=7$, what is the y, when $x=12$?
12. Given $y=kx$ where $y= 55$ and $x=11$, what is the y, when $x=17$?
13. Given $y=kx$ where $y= -88$ and $x=11$, what is the y, when $x=18$?
14. Given $y=kx$ where $y= 10$ and $x=5$, what is the y, when $x=6$?
15. Given $y=kx$ where $y= 39$ and $x=13$, what is the y, when $x=16$?

Answer

1. 27

2. 117

3. -80

4. -119

5. 36

6. 42

7. -63

8. -105

9. -36

10. 55

11. 96

12. 85

13. -144

14. 12

15. 48