

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Answers

1. $k = 3$

2. $k = 5$

3. $k = \frac{9}{4}$ or 2.25

4. $k = 4$

5. $y = 35$

6. $y = 4$

7. $k = 0$

8. $k = 2$

9. $k = 1.5$

10. $k = 4$

11. Yes ($\frac{2}{5} = 0.4$ and $\frac{4}{10} = 0.4$)

12. No ($7 \rightarrow 15$ gives $\frac{15}{7} \neq 2$)

13. $k = 3$

14. $k = 4$

15. $k = -2$

16. $k = 0.25$

17. $k = 0$

18. $k = 3$

19. $k = 2.25$

20. Yes; $k = 2$

21. No

22. $k = -3$

23. $k = 4$

24. $k = 3$

25. Yes; $k = 2.5$

26. $k = \frac{1}{3}$ or 0.333...

27. $k = \frac{1}{3}$ or 0.333...

28. $k = 2$

29. $k = 0.25$

30. $k = 5$

31. $k = 3$



Math Worksheet for 7th Grade

Constant of proportionality

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32. $k = -0.5$

33. $k = 0$

34. $k = 1.5$

35. $k = 3$

36. $k = 0.5$

37. $k = 3$

38. $k = 3$

39. $k = \frac{1}{4}$

40. $k = 0.5$

41. $k = -2$

42. $k = \frac{1}{5}$

43. $k = 7$

44. $k = 2.5$

45. No — $y = 4x + 3$ is not proportional because it does not pass through the origin (there is a +3).

46. $k = -0.75$

47. $k = 1$

48. $k = 0$

49. $k = \frac{2}{3}$

50. $3y = 12x$ $y = 4x$, so $k = 4$