

Determine whether each linear function is a direct variation. If so, state the constant of proportionality.

1.

Speed, x	25	30	35	40
Distance, y	100	120	140	160

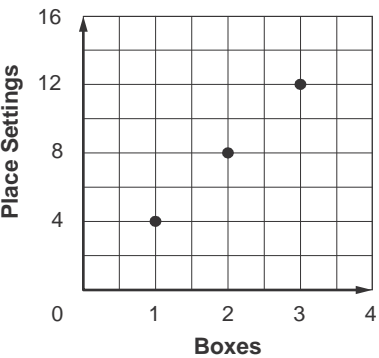
2.

Price, x	\$5	\$8	\$11	\$14
Tax, y	\$0.50	\$0.80	\$1.10	\$1.40

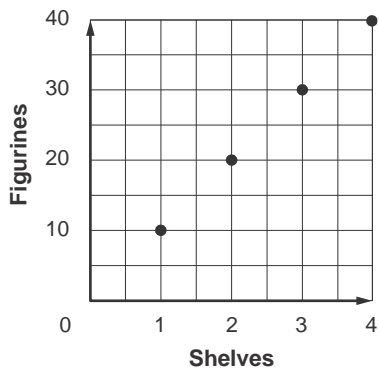
3.

Seconds, x	15	30	45	60
Number of Sit-ups, y	5	10	15	20

4. The number of place settings of dishes varies directly with the number of boxes. How many place settings are in each box?



5. Kentish is arranging figurines on shelves. The number of figurines varies directly with the number of shelves. What is the constant of proportionality?



6. Loretta paid \$6.70 for 5 cans of cat food and \$10.72 for 8 cans of cat food. How much did 1 can of cat food cost?

7. You need 2 yards of fabric to cover 3 pillows and 6 yards to cover 9 pillows. How much fabric do you need to cover 15 pillows?

8. The number of pages read varies directly as the number of minutes. If you can read 20 pages in 45 minutes, how many pages can you read in 18 minutes?