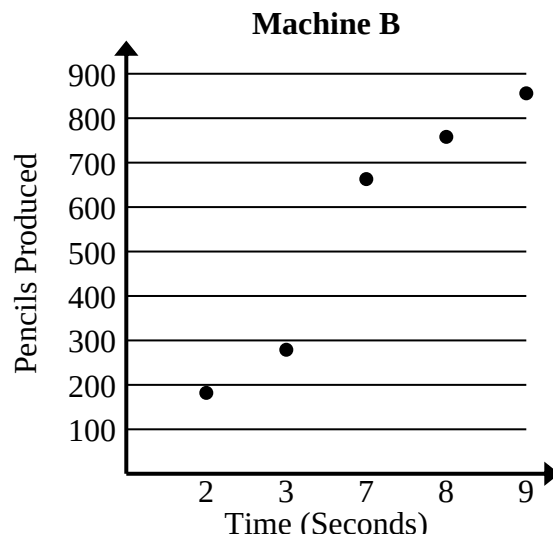


**Solve each problem.**

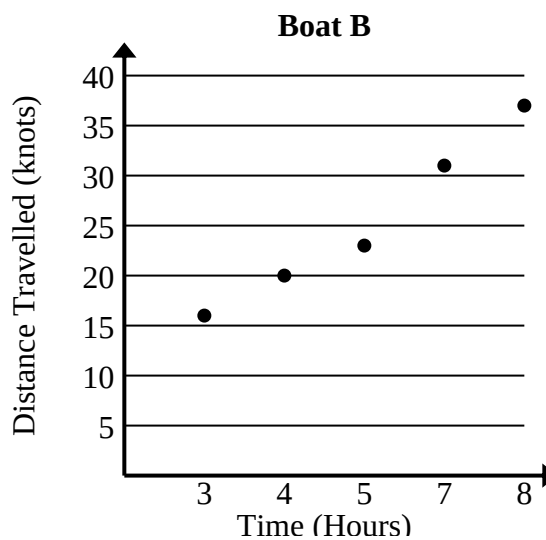
- 1) Compare the approximate pencils per second produced by Machine A to Machine B.

Machine A	
Time (Seconds)	Pencils Produced
1	104
3	297
4	394
7	682
9	872



- 2) Compare the approximate speed per hour of Boat A to Boat B.

Boat A	
Time (Hours)	Distance Travelled (knots)
1	-1
5	17
6	21
7	23
8	27



**Solve each problem.**

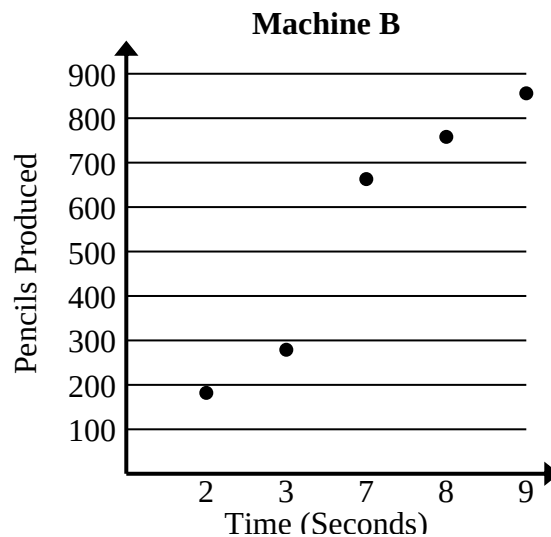
- 1) Compare the approximate pencils per second produced by Machine A to Machine B.

Machine A	
Time (Seconds)	Pencils Produced
1	104
3	297
4	394
7	682
9	872

$$104+297+394+682+872 = 2,349 \text{ total pencils}$$

$$1+3+4+7+9 = 24 \text{ total seconds}$$

$$2,349 \div 24 = 97.9$$



$$182+279+663+758+856 = 2,738 \text{ total pencils}$$

$$2+3+7+8+9 = 29 \text{ total seconds}$$

$$2,738 \div 29 = 94.4$$

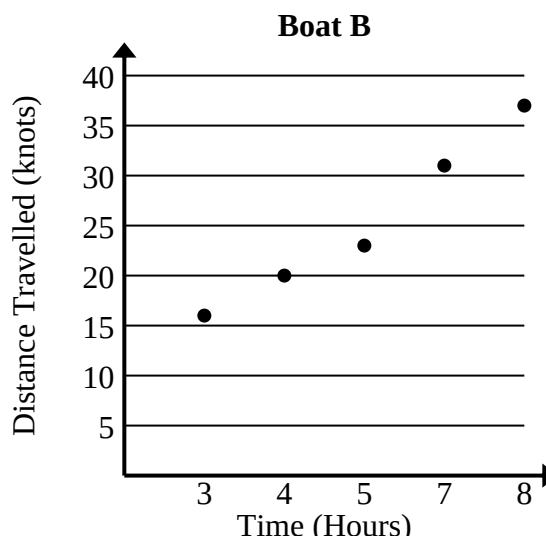
- 2) Compare the approximate speed per hour of Boat A to Boat B.

Boat A	
Time (Hours)	Distance Travelled (knots)
1	-1
5	17
6	21
7	23
8	27

$$-1+17+21+23+27 = 87 \text{ total knots}$$

$$1+5+6+7+8 = 27 \text{ total hours}$$

$$87 \div 27 = 3.2$$



$$16+20+23+31+37 = 127 \text{ total knots}$$

$$3+4+5+7+8 = 27 \text{ total hours}$$

$$127 \div 27 = 4.7$$