

Independent Practice

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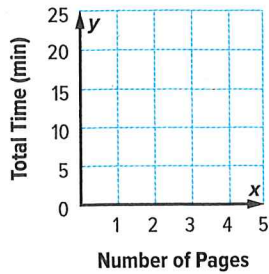


The table shows the total time it took Samir to read 0, 1, 2, and 3 pages of the book. The table also lists this information as ordered pairs (number of pages, total minutes). (Examples 1–2)

1 Graph the ordered pairs.

Samir's Reading		
Number of Pages, x	Total Minutes, y	Ordered Pair (x, y)
0	0	(0, 0)
1	4	(1, 4)
2	8	(2, 8)
3	12	(3, 12)

Show your work.



2. Describe the pattern in the graph.

Ken's Home Supply charges \$5 for each foot of fencing. Wayne's Warehouse charges \$6 for each foot of fencing. (Examples 3–5)

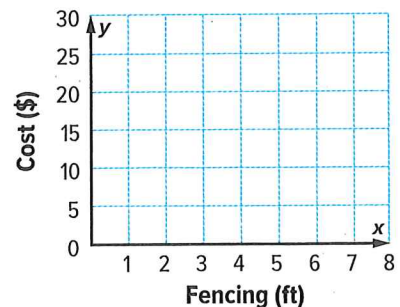
3. Make a table for each store that shows the total cost for 1, 2, 3, or 4 feet of fencing. List the information as ordered pairs (feet of fencing, total cost).

Ken's Home Supply		
Fencing (ft), x	Cost (\$), y	(x, y)
1		
2		
3		
4		

Wayne's Warehouse		
Fencing (ft), x	Cost (\$), y	(x, y)
1		
2		
3		
4		

4. Graph the ordered pairs for each store on the same coordinate plane.

5 Using the tables and graphs, write a few sentences comparing the ratios of amount charged per foot of fencing for each store. How is this shown on the graph?



Power Up! Test Practice

16. The table gives the ratio of teachers to students at Jefferson Middle School.

Jefferson Middle School	
Students, x	Teachers, y
24	1
48	2
72	3
96	4

At Hamilton Middle School, the ratio of teachers to students is 12 to 312. Which statement correctly compares the ratio of the teachers to students at the two schools?

- There are more students per teacher at Hamilton Middle School than at Jefferson Middle School.
- Both schools have an equivalent ratio of students to teachers.
- There are more students at Hamilton Middle School than at Jefferson Middle School.
- There are more students per teacher at Jefferson Middle School than at Hamilton Middle School.
17. Nina earns \$15 for each yard she mows. She wants to buy a dress that costs \$109. How many yards will she need to mow to earn the money for the dress? Explain.

Spiral Review

Simplify each fraction.

18. $\frac{13}{78} = \frac{\square}{\square}$

19. $\frac{26}{130} = \frac{\square}{\square}$

20. $\frac{20}{240} = \frac{\square}{\square}$

21. There are 270 sixth grade students and 45 chaperones going on a field trip. How many students will be with each chaperone if the groups are divided equally? _____

22. Several students were surveyed about their favorite class. The results are shown in the table. What fraction of the students chose music as their favorite subject? Write the fraction in simplest form.

Favorite Class	
Art	26
English	19
Math	21
Music	16
Science	32
