

# Why Was the Pig in the Kitchen?



Find the unit rate for each and put the letter at the bottom.

- B** Mike eats  $\frac{1}{3}$  of a pizza in  $\frac{1}{2}$  an hour. How many pizzas can he eat in one hour?  
 \_\_\_ pizzas per hour
- H** A cupcake shop uses  $\frac{1}{3}$  pound of cinnamon to make 4 batches. How much do they use per batch?  
 \_\_\_ pounds per batch
- O** Marshall walks 2 miles in  $\frac{2}{3}$  of an hour. How many miles can he walk in one hour?  
 \_\_\_ miles per hour
- A** A magazine can layout  $\frac{1}{16}$  of an issue in 3 days. How many days does it take to layout one issue?  
 \_\_\_ days per issue
- W** Justin uses  $\frac{3}{4}$  of a gallon of paint on  $\frac{3}{4}$  of a wall. How many gallons does he need for one wall?  
 \_\_\_ gallons per wall
- A** A cafeteria can feed  $\frac{1}{8}$  of the school in  $3\frac{1}{2}$  minutes. How long does it take to feed the school?  
 \_\_\_ minutes per school
- S** A software company writes  $\frac{1}{10}$  of their code in  $\frac{1}{2}$  a month. How much can they do in one month?  
 \_\_\_ code per month
- E** A gas pump fills  $\frac{4}{5}$  of a gallon in  $\frac{1}{9}$  of a minute. How many gallons can it fill in a minute?  
 \_\_\_ gallons per minute
- N** Jim's fence company installs  $\frac{3}{5}$  of a fence in  $1\frac{1}{2}$  days. How many days to install the whole fence?  
 \_\_\_ days per fence
- C** Zack did  $\frac{1}{6}$  of his math homework in  $\frac{1}{2}$  an hour. How much can he do in one hour?  
 \_\_\_ homework per hour

$\frac{1}{12}$	$7\frac{1}{5}$	$\frac{1}{4}$	1	48	$\frac{1}{5}$	16	$\frac{2}{5}$	28	$\frac{1}{3}$	3	$2\frac{1}{2}$



# Why Was the King Only a Foot Tall?

I. Use the tables to test for proportionality.

- 1**
- | Videos | Price |
|--------|-------|
| 1      | 5     |
| 3      | 15    |
- A** Proportional  
**T** Not Proportional
- 2**
- | Days | Miles |
|------|-------|
| 2    | 22    |
| 4    | 42    |
- S** Proportional  
**L** Not Proportional
- 3**
- | Kids | Candy |
|------|-------|
| 2    | 6     |
| 5    | 15    |
| 8    | 32    |
- I** Proportional  
**R** Not Proportional
- 4**
- | Books | Cost |
|-------|------|
| 3     | 21   |
| 4     | 28   |
| 5     | 35   |
- E** Proportional  
**O** Not Proportional
- 5**
- | HW | Points |
|----|--------|
| 3  | 4      |
| 9  | 12     |
| 15 | 20     |
| 30 | 40     |
- S** Proportional  
**R** Not Proportional
- 6**
- | Hours | Miles |
|-------|-------|
| 5     | 30    |
| 7     | 40    |
| 10    | 60    |
| 13    | 96    |
- E** Proportional  
**H** Not Proportional
- 7**
- | Games | Time |
|-------|------|
| 2     | 6    |
| 8     | 24   |
| 10    | 30   |
| 15    | 45   |
- U** Proportional  
**A** Not Proportional

II. Use the points to draw a graph, and test it for proportionality.

- 8**
- 
- (0,0) (2,2)  
(4,4) (5,5)
- A** Proportional  
**N** Not Proportional
- 9**
- 
- (2,3) (3,4)  
(4,5) (5,6)
- P** Proportional  
**R** Not Proportional
- 10**
- 
- (0,0) (2,3)  
(4,5) (4,6)
- C** Proportional  
**E** Not Proportional
- 11**
- 
- (0,0) (1,2)  
(2,4) (3,6)
- W** Proportional  
**O** Not Proportional

6	4	11	8	5	1	9	7	2	10	3