Name: _____

Identifying Proportional Relationships in Tables

Decide if each table shows a proportional relationship. If it does, find the constant of proportionality k.

1.

Hours	2	7	8	9
Pay ($)	12	42	48	54

Proportional? _____ If yes, k = ___

2.

Cups	2	4	6	8
Cookies	3	6	9	12

Proportional? _____ If yes, k = ___

3.

Gallons	1	3	7	9
Miles	4	12	28	36

Proportional? _____ If yes, k = ___

4.

Tickets	2	5	9	10
Cost ($)	12	30	54	60

Proportional? _____ If yes, k = ___

5.

Minutes	2	4	6	8
Pages	3	6	9	12

Proportional? _____ If yes, k = ___

6.

Pounds	1	4	7	8
Price ($)	6	21	36	41

Proportional? _____ If yes, k = ___

7.

Laps	4	7	9	10
Meters	33	57	73	81

Proportional? _____ If yes, k = ___

8.

Days	2	4	6	8
Inches	5	6	7	8

Proportional? _____ If yes, k = ___

Name: **ANSWER KEY**

Identifying Proportional Relationships in Tables

Decide if each table shows a proportional relationship. If it does, find the constant of proportionality k.

1.

Hours	2	7	8	9
Pay ($)	12	42	48	54

Proportional? **Yes** If yes, k = 6

2.

Cups	2	4	6	8
Cookies	3	6	9	12

Proportional? **Yes** If yes, k = $1\frac{1}{2}$

3.

Gallons	1	3	7	9
Miles	4	12	28	36

Proportional? **Yes** If yes, k = 4

4.

Tickets	2	5	9	10
Cost ($)	12	30	54	60

Proportional? **Yes** If yes, k = 6

5.

Minutes	2	4	6	8
Pages	3	6	9	12

Proportional? **Yes** If yes, k = $1\frac{1}{2}$

6.

Pounds	1	4	7	8
Price ($)	6	21	36	41

Proportional? **No** If yes, k = —

7.

Laps	4	7	9	10
Meters	33	57	73	81

Proportional? **No** If yes, k = —

8.

Days	2	4	6	8
Inches	5	6	7	8

Proportional? **No** If yes, k = —