

Writing an equation to represent a proportional relationship: Worksheet 15.2

Name Date Score

Write equations to represent the proportional relationships given in the tables.

1.

a	3	5	8	9	10
b	30	50	80	90	100

2.

x	5	6	8	15	20
y	20	24	32	60	80

3.

p	7	8	12	15	17
q	14	16	24	30	34

4.

m	6	12	18	22	24
n	9	18	27	33	36

5.

r	9	12	21	27	33
s	15	20	35	45	55

6.

c	3	9	15	21	33
d	4	12	20	28	44

7.

i	4	12	24	28	44
j	5	15	30	35	55

8.

k	3	12	15	27	36
l	7	28	35	63	84

9.

u	2	6	20	24	40
v	5	15	50	60	100

10.

y	6	18	24	39	48
z	14	42	56	91	112

Solutions: Worksheet 15.2

1. $b = 10a$

2. $y = 4x$

3. $q = 2p$

4. $n = 3m/2$

5. $s = 5r/3$

6. $d = 4c/3$

7. $j = 5i/4$

8. $l = 7k/3$

9. $v = 5u/2$

10. $z = 7y/3$

