

# Writing an equation to represent a proportional relationship: Worksheet 15.1

Name ..... Date ..... Score .....

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

1. 

a	5	7	8	9	11
b	10	14	16	18	22

2. 

x	4	6	8	14	20
y	12	18	24	42	60

3. 

p	6	10	13	14	18
q	12	20	26	28	36

4. 

m	4	12	16	20	28
n	6	18	24	30	42

5. 

r	6	12	18	24	30
s	10	20	30	40	50

6. 

c	6	12	18	24	30
d	8	16	24	32	40

7. 

i	8	16	24	32	40
j	10	20	30	40	50

8. 

k	6	12	18	24	30
l	14	28	42	56	70

9. 

u	8	16	24	32	40
v	20	40	60	80	100

10. 

y	9	18	27	36	45
z	21	42	63	84	105

## Solutions: Worksheet 15.1

1.  $b = 2a$

2.  $y = 3x$

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.  $z = 7y/3$

