

# Worksheet

04/06/2020

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Problem quickname: 6246

1)

Complete this table showing quantities of a direct proportionality relationship by filling in the gaps with the correct values.

Quick:  
6246

a)

g	s
4	36
:4	:4
1	9
·6	·6
6	54

b)

m	cent
2	28
:2	:2
1	14
·6	·6
6	84

c)

Cent	cm <sup>3</sup>
10	120
:10	:10
1	12
·6	·6
6	72

d)

min	dm <sup>3</sup>
6	66
:6	:6
1	11
·7	·7
7	77

e)

dollar	cm <sup>3</sup>
4	136
:4	:4
1	34
·3	·3
3	102

f)

h	kg
2	110
:2	:2
1	55
·3	·3
3	165

g)

dollar	min
3	33
1	11
5	55

Operations:  $\div 3$  and  $\cdot 3$  for the first row;  $\div 5$  and  $\cdot 5$  for the second row.

h)

h	dm <sup>3</sup>
3	147
1	49
4	196

Operations:  $\div 3$  and  $\cdot 3$  for the first row;  $\cdot 4$  and  $\div 4$  for the second row.

2)

Complete this table showing quantities of a direct proportionality relationship by filling in the gaps with the correct values.

Quick:  
6246

a)

litre	dollar
4	68
1	17
2	34

Operations:  $\div 4$  and  $\cdot 4$  for the first row;  $\cdot 2$  and  $\div 2$  for the second row.

b)

Euro	mm
3	6
1	2
5	10

Operations:  $\div 3$  and  $\cdot 3$  for the first row;  $\cdot 5$  and  $\div 5$  for the second row.

c)

kg	mm <sup>3</sup>
21	84
1	4
34	136

Operations:  $\div 21$  and  $\cdot 21$  for the first row;  $\cdot 34$  and  $\div 34$  for the second row.

d)

cm <sup>3</sup>	h
3	21
1	7
2	14

Operations:  $\div 3$  and  $\cdot 3$  for the first row;  $\cdot 2$  and  $\div 2$  for the second row.

e)

s	Cent
2	52
1	26
3	78

Operations:  $\div 2$  and  $\cdot 2$  for the first row;  $\cdot 3$  and  $\div 3$  for the second row.

f)

h	cent
2	30
1	15
3	45

Operations:  $\div 2$  and  $\cdot 2$  for the first row;  $\cdot 3$  and  $\div 3$  for the second row.

g)

h	s
3	45
1	15
4	60

Operations shown:  $\cdot 3$  (3 to 45),  $\cdot 1$  (1 to 15),  $\cdot 4$  (4 to 60). Inverse operations:  $:3$  (45 to 3),  $:3$  (15 to 1),  $:4$  (60 to 4).

h)

m <sup>2</sup>	s
2	36
1	18
3	54

Operations shown:  $\cdot 2$  (2 to 36),  $\cdot 1$  (1 to 18),  $\cdot 3$  (3 to 54). Inverse operations:  $:2$  (36 to 2),  $:2$  (18 to 1),  $:3$  (54 to 3).

3)

Complete this table showing quantities of a direct proportionality relationship by filling in the gaps with the correct values as shown in example a).

Quick:  
6246

a)

t	Cent
3	24
1	8
4	32

Operations shown:  $\cdot 3$  (3 to 24),  $\cdot 1$  (1 to 8),  $\cdot 4$  (4 to 32). Inverse operations:  $:3$  (24 to 3),  $:3$  (8 to 1),  $:4$  (32 to 4).

b)

mm <sup>3</sup>	t
20	40
1	2
4	8

Operations shown:  $\cdot 20$  (20 to 40),  $\cdot 1$  (1 to 2),  $\cdot 4$  (4 to 8). Inverse operations:  $:20$  (40 to 20),  $:20$  (2 to 1),  $:4$  (8 to 4).

c)

Cent	m <sup>3</sup>
2	26
1	13
3	39

Operations shown:  $\cdot 2$  (2 to 26),  $\cdot 1$  (1 to 13),  $\cdot 3$  (3 to 39). Inverse operations:  $:2$  (26 to 2),  $:2$  (13 to 1),  $:3$  (39 to 3).

d)

cm <sup>3</sup>	Cent
2	32
1	16
3	48

Operations shown:  $\cdot 2$  (2 to 32),  $\cdot 1$  (1 to 16),  $\cdot 3$  (3 to 48). Inverse operations:  $:2$  (32 to 2),  $:2$  (16 to 1),  $:3$  (48 to 3).

e)

s	g
3	39
1	13
2	26

Operations shown:  $\cdot 3$  (3 to 39),  $\cdot 1$  (1 to 13),  $\cdot 2$  (2 to 26). Inverse operations:  $:3$  (39 to 3),  $:3$  (13 to 1),  $:2$  (26 to 2).

f)

h	km
3	45
1	15
2	30

Operations shown:  $\cdot 3$  (3 to 45),  $\cdot 1$  (1 to 15),  $\cdot 2$  (2 to 30). Inverse operations:  $:3$  (45 to 3),  $:3$  (15 to 1),  $:2$  (30 to 2).

g)

h	g
9	36
:9	:9
1	4
·10	·10
10	40

h)

litre	dollar
6	30
:6	:6
1	5
·3	·3
3	15

4)

Complete this table showing quantities of a direct proportionality relationship by filling in the gaps with the correct values as shown in example a).

Quick:  
6246

a)

dollar	cm <sup>3</sup>
11	44
:11	:11
1	4
·9	·9
9	36

b)

h	min
3	24
:3	:3
1	8
·4	·4
4	32

c)

g	dm <sup>2</sup>
2	20
:2	:2
1	10
·3	·3
3	30

d)

cm <sup>3</sup>	m
8	40
:8	:8
1	5
·3	·3
3	15

e)

Euro	h
2	14
:2	:2
1	7
·3	·3
3	21

f)

g	s
3	42
:3	:3
1	14
·2	·2
2	28

g)

kg	s
5 :5	45 :5
1 ·4	9 ·4
4	36

h)

cent	mm
3 :3	6 :3
1 ·4	2 ·4
4	8

Good Luck!