

# 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 as shown in example a).

a)

$\text{mm}^3$	t
3	45
:3	:3
1	15
:2	:2
2	30

b)

h	s
10	40
█	█
1	█
█	█
█	.9

c)

Cent	$\text{mm}^2$
7	28
█	█
█	4
█	█
█	.12

d)

Cent	$\text{cm}^3$
5	25
█	█
█	5
█	█
.6	█

e)

cent	cm
2	6
█	█
█	█
.3	█

f)

$\text{mm}^3$	Cent
4	36
█	█
█	█
█	█

g)

min	cm <sup>3</sup>
9	45
█	█
█	█
█	█

Operations:  $\div 9$  and  $\cdot 7$  are indicated with arrows.

h)

Cent	cent
7	35
█	█
1	█
█	█
█	█

Operations:  $\cdot 5$  and  $\div 4$  are indicated with arrows.

2)

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

a)

cm <sup>3</sup>	g
3	36
█	█
1	12
█	█
2	24
█	█

Operations:  $\div 3$  and  $\cdot 2$  are indicated with arrows.

b)

t	dm
4	8
█	█
█	2
█	10
█	█

Operations:  $\cdot 2$  and  $\div 2$  are indicated with arrows.

c)

m <sup>3</sup>	cm
3	9
█	█
1	█
█	█
2	█
█	█

Operations:  $\cdot 3$  and  $\div 3$  are indicated with arrows.

d)

s	kg
4	16
█	█
█	█
9	█
█	█

Operations:  $\cdot 4$  and  $\div 4$  are indicated with arrows.

e)

g	cm
3	6
█	█
1	█
█	█
4	█
█	█

Operations:  $\cdot 2$  and  $\div 2$  are indicated with arrows.

f)

dm <sup>2</sup>	litre
2	28
█	█
█	14
█	█
3	█
█	█

Operations:  $\cdot 14$  and  $\div 14$  are indicated with arrows.

g)

kg	mm <sup>3</sup>
4	20
:4	↪
↪	↪
↪	↪
↪	40

h)

g	m <sup>2</sup>
7	49
↪	↪
↪	↪
1	↪
↪	↪
↪	28

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).

a)

s	dm
2	6
:2	↪
↪	↪
↪	↪
↪	3
↪	↪
↪	9
↪	↪
↪	↪
↪	↪

b)

min	s
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪

c)

min	cm <sup>3</sup>
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪

d)

cm	s
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪

e)

Cent	m <sup>3</sup>
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪

f)

t	Euro
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪
↪	↪

g)

Euro	$\text{mm}^3$
1	45
9	405

h)

$\text{dm}^3$	Euro
3	24
12	96

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).

a)

Euro	km
4	56
14	196

b)

$\text{dm}^3$	litre
70	7
280	28

c)

Cent	$\text{mm}^3$
84	4
168	8

d)

h	min
2	18
6	54

e)

min	kg
54	3
162	9

f)

$\text{m}^2$	Euro
3	22
12	88

g)

Euro	kg
$\square : 6$	$90 \square$
$\square$	$\square$
$1$	$\square$
$4$	$\square$

h)

km	min
$\square$	$57 \square$
$\square$	$\square$
$2$	$19$
$\square$	$\square \cdot 2$

Good Luck!