

# Worksheet

04/05/2020

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Problem quickname: 6517

1)

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

Quick:  
6517

a)

$\text{cm}^3$		g	
:3	( 3	46	) :3
		1	
·2	( 2	138	) :2
		2	
		69	

b)

kg		$\text{km}^2$	
:17	( 17	4	) ·17
		1	
·2	( 2	68	) :2
		2	
		34	

c)

min		$\text{m}^3$	
:5	( 5	14	) ·5
		1	
·7	( 7	70	) :7
		7	
		10	

d)

$\text{cm}^3$		dollar	
:3	( 3	9	) ·3
		1	
·9	( 9	27	) :9
		9	
		3	

e)

min		d	
:3	( 3	22	) ·3
		1	
·11	( 11	66	) :11
		11	
		6	

f)

g		litre	
:16	( 16	10	) ·16
		1	
·2	( 2	160	) :2
		2	
		80	

2)

Complete this table showing quantities of an inverse proportionality relationship by

Quick:  
6517

filling in the gaps with the correct values.

a)

km <sup>2</sup>	cm
:4 ( 4 )	2 ( ) :4
	1 ( 8 )
·2 ( 2 )	4 ( ) :2

b)

g	dm <sup>3</sup>
:3 ( 3 )	210 ( ) ·3
	1 ( 630 )
·105 ( 105 )	6 ( ) :105

c)

cm <sup>3</sup>	m <sup>2</sup>
:7 ( 7 )	488 ( ) ·7
	1 ( 3416 )
·244 ( 244 )	14 ( ) :244

d)

cent	cm <sup>3</sup>
:13 ( 13 )	51 ( ) ·13
	1 ( 663 )
·51 ( 51 )	13 ( ) :51

e)

cent	Cent
:3 ( 3 )	7 ( ) ·3
	1 ( 21 )
·7 ( 7 )	3 ( ) :7

f)

dollar	h
:12 ( 12 )	6 ( ) ·12
	1 ( 72 )
·6 ( 6 )	12 ( ) :6

3)

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

Quick:  
6517

a)

min	litre
:5 ( 5 )	72 ( ) ·5
	1 ( 360 )
·36 ( 36 )	10 ( ) :36

b)

t	dm <sup>3</sup>
:2 ( 2 )	80 ( ) ·2
	1 ( 160 )
·20 ( 20 )	8 ( ) :20

c)

m	cent
2	15
1	30
5	6

Operations shown:  $\cdot 2$  and  $\cdot 5$  on the left,  $\cdot 2$  and  $\cdot 5$  on the right.

d)

g	Euro
4	20
1	80
5	16

Operations shown:  $\cdot 4$  and  $\cdot 5$  on the left,  $\cdot 4$  and  $\cdot 5$  on the right.

e)

dm <sup>3</sup>	d
2	8
1	16
8	2

Operations shown:  $\cdot 2$  and  $\cdot 8$  on the left,  $\cdot 2$  and  $\cdot 8$  on the right.

f)

cm	Cent
2	9
1	18
9	2

Operations shown:  $\cdot 2$  and  $\cdot 9$  on the left,  $\cdot 2$  and  $\cdot 9$  on the right.

g)

min	Euro
9	8
1	72
4	18

Operations shown:  $\cdot 9$  and  $\cdot 4$  on the left,  $\cdot 9$  and  $\cdot 4$  on the right.

h)

cent	h
7	2
1	14
2	7

Operations shown:  $\cdot 7$  and  $\cdot 2$  on the left,  $\cdot 7$  and  $\cdot 2$  on the right.

4)

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

Quick:  
6517

a)

m	Euro
3	20
1	60
4	15

Operations shown:  $\cdot 3$  and  $\cdot 4$  on the left,  $\cdot 3$  and  $\cdot 4$  on the right.

b)

mm <sup>3</sup>	Cent
4	12
1	48
6	8

Operations shown:  $\cdot 4$  and  $\cdot 6$  on the left,  $\cdot 4$  and  $\cdot 6$  on the right.

c)

cent		Cent
:2	2	33
	↙ ↘	↙ ↘
	1	66
·11	11	6
	↙ ↘	↙ ↘
		:11

d)

s		mm
:3	3	2
	↙ ↘	↙ ↘
	1	6
·2	2	3
	↙ ↘	↙ ↘
		:2

e)

litre		mm <sup>3</sup>
:2	2	112
	↙ ↘	↙ ↘
	1	224
·28	28	8
	↙ ↘	↙ ↘
		:28

f)

min		m
:4	4	9
	↙ ↘	↙ ↘
	1	36
·9	9	4
	↙ ↘	↙ ↘
		:9

Good Luck!