

Direct Proportion Revision Worksheet L3

- 1) A greengrocer sell 8 oranges for 96p.
Calculate the cost of one orange.



- 2) A 5 litre tin of paint covers 40 m^2 of wall.
What area of wall can you paint with a 1 litre tin?

- 3) 6 metres of ribbon costs £9. Calculate the cost of 10 metres of ribbon.

- 4) Janice can drive for 300 miles with 12 gallons of petrol.
How far can she drive with 9 gallons of petrol?

- 5) Rusty eats 6 tins of dog food in 4 days.
How many tins of dog food will he need for 14 days?



- 6) Andrew can type 300 words in 6 minutes.
How many words can he type in 15 minutes?

- 7) Carly bought a new printer for her computer.
It takes 7 minutes to print a document with 63 pages.
How many pages can it print in half an hour?



2

- 8) On the "PayforGold" website, the price paid for gold is proportional to its weight.
Colleen sells a matching gold bracelet and necklace on this website.
She is paid £95 for the 20 gram bracelet.
How much is she paid for the 24 gram necklace?

2

ANSWERS

1)

No. of Oranges	Cost
8	96p
1	$96 \div 8 = 12\text{p}$

2)

Volume of Paint (litres)	Area Covered
5	40 m^2
1	$40 \div 5 = 8\text{ m}^2$

3)

Length of Ribbon (metres)	Cost
6	£9
1	$9 \div 6 = \text{£}1.50$
10	$1.50 \times 10 = \text{£}15$

4)

Petrol (gallons)	Distance
12	300 miles
1	$300 \div 12 = 25\text{ miles}$
9	$25 \times 9 = 225\text{ miles}$

5)

No. of Days	No. of Tins
4	6 tins
1	$6 \div 4 = 1.5\text{ tins}$
14	$1.5 \times 14 = 21\text{ tins}$

6)

Time (minutes)	No. of Words
6	300
1	$300 \div 6 = 50$
15	$50 \times 15 = 750\text{ words}$

7)

Time (minutes)	No. of Pages
7	63
1	$63 \div 7 = 9$
30	$9 \times 30 = 270\text{ pages}$

8)

Weight of Gold (grams)	Price
20	£95
1	$95 \div 20 = \text{£}4.75$
24	$4.75 \times 24 = \text{£}114$