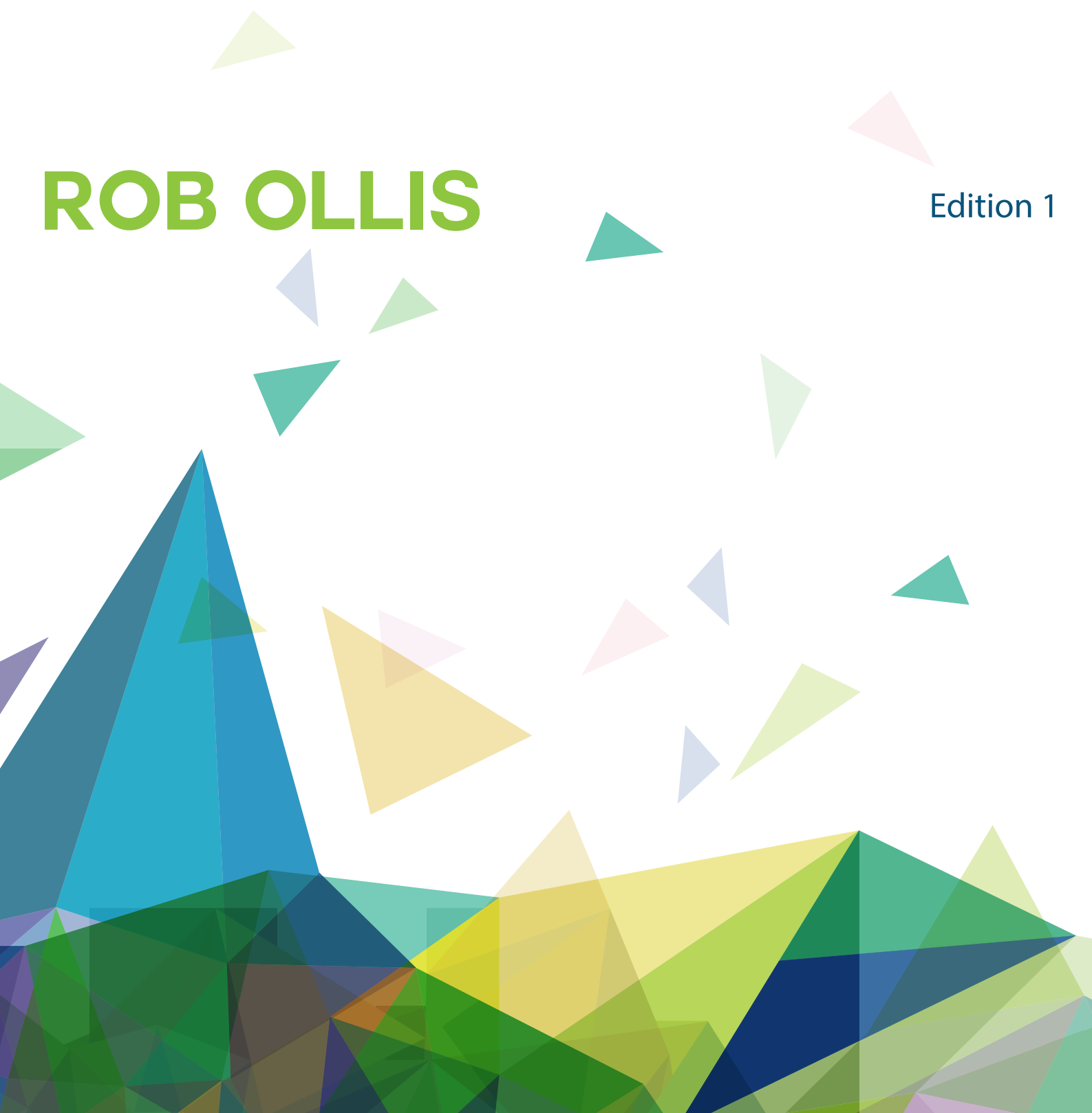


DECIMALS

ROB OLLIS

Edition 1



Study 1. Set One

1) Write the following decimals as fractions.

a) 0.3	g) 1.9	m) 2.091	s) 12.051
b) 0.7	h) 1.07	n) 2.91	t) 67.03
c) 0.03	i) 2.99	o) 7.009	u) 98.071
d) 0.09	j) 2.09	p) 4.077	v) 109.99
e) 0.11	k) 2.009	q) 6.77	w) 10.999
f) 0.79	l) 6.051	r) 9.0019	x) 72.073

2) Simplify the following fractions.

a) $\frac{2}{10}$	f) $\frac{25}{100}$	k) $2\frac{6}{10}$	p) $8\frac{75}{100}$
b) $\frac{2}{100}$	g) $\frac{40}{100}$	l) $1\frac{65}{100}$	q) $9\frac{30}{1000}$
c) $\frac{5}{10}$	h) $\frac{35}{100}$	m) $5\frac{12}{100}$	r) $11\frac{48}{100}$
d) $\frac{5}{1000}$	i) $\frac{15}{100}$	n) $7\frac{80}{100}$	s) $10\frac{85}{100}$
e) $\frac{8}{10}$	j) $\frac{24}{1000}$	o) $4\frac{5}{1000}$	t) $7\frac{36}{100}$

3) Write these decimals as fractions with denominator of 10, 100 or 1000. Then simplify the fractions where possible.

a) 0.7	e) 0.04	i) 0.003	o) 0.06
b) 0.9	f) 0.08	j) 0.008	p) 0.6
c) 0.6	g) 0.07	k) 0.019	q) 0.004
d) 0.5	h) 0.05	l) 0.034	r) 0.7

Study 05

Date:

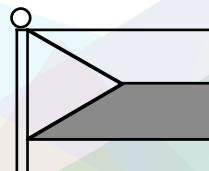
Decimals Multiplication, Addition and Subtraction

- 1 a 0.6×0.4 b 0.6×40 c 0.06×0.04 d 60×0.04
 e 0.003×8 f $1.44 \times 0.1 \times 0.02$ g 1.02×2.04 h 2.4×0.06
 i 600×0.082 j $100 \times 0.074 \times 2.03$ k $(0.3)^2$ l $(0.02)^3$
 m 2.6×0.07 n $500 \times 0.04 \times 0.3$ o 0.08×0.6 p 800×0.06
 q 1.06×60 r 3.142×1.02 s $0.32 \times 8 \times 0.5$ t $(1.2)^3$

- 2 a $0.6 + 0.4$ b $70 + 0.36$
 c $3.8 + 5 + 0.42$ d $12 + 1.3$
 e $0.16 + 8.6 + 3$ f $74.3 + 0.692 + 5 + 1.4$
 g $36.5 - 12.3$ h $607.4 - 231.7$
 i $86.4 - 1.76$ j $20.3 - 2.74$
 k $9.74 - 1.82$ l $3.84 - 0.064$
 m $6.4 + 30.8 + 6$ n $23 + 1.427 + 30.7$
 o $6.04 + 1.03 + 0.0082$ p $1.094 - 0.063$
 q $23 - 2.16$ r $1.2 + 0.4 \times 0.2$
 s $3.02 + 7 + 1.08$ t $6.03 + 0.3 \times 40 + 0.08$

Multiple Choice - Choose the correct answer

- 3 If Helen walks 20 m in 30 sec, how far will she walk in one hour at the same rate?
 a 240 m b 600 m c 1.2km d 2.4km
- 4 How many square tiles, 20cm long, are needed to cover a patio which is 3m long and 2m wide?
 a 25 b 30 c 150 d 600
- 5 Which is the largest? a 0.31 b $\frac{1}{3}$ c 32% d 0.309
- 6 The difference between one million dollars and one million cents is :
 a \$999 990 b \$999 900 c \$999 000 d \$990 000
- 7 A cube has a volume of 27m^3 . The total surface area in cm^2 is : a 5 b 54 c 81 d 486
- 8 $\sqrt{6^2 + 8^2}$ equals : a 14 b 10 c 100 d $\sqrt{28}$
- 9 What decimal fraction of this flag is shaded?
 a 0.25
 b 0.333
 c 0.375
 d 0.5



Why should you always help friend ?



Complete the following small tables by replacing each letter by the decimal answer. Then transfer the corresponding letters to the Solution Table.

The Solution

				3.4	2.4	7.7	9.92		27	12.6	0.7	14	10
				M	A	N	Y		H	A	N	D	S
			6.7	14.7	5.83	2.8		60	54	5.3	5	3.52	
			M	A	K	E		L	I	G	H	T	
	9.1	2	120	20		1.2	4.47	10.91	22		0.14	36.9	
	E	A	S	Y		W	O	R	K		O	F	
3.83	9.4	6.2	1	6	210	1.92		36.4	0.4	4.5	4	63	26.4
C	O	M	P	L	E	X		M	A	N	U	A	L
					10.7	18.4	8.72	12					
					J	O	B	S					

÷	3.6	12	0.42
0.6	L	Y	N
3	W	4	O

+	1.43	3.9	16
2.4	C	6.3	O
0.57	A	O	16.57

-	4.5	10	8.8
0.9	3.6	E	7.9
3.8	0.7	M	5

x	6	1.1	0.7
20	S	K	D
0.3	1.8	0.33	0.21

÷	1.6	48	0.8
4	0.4	S	0.2
0.8	2	L	1

+	8.4	7	0.68
5.6	14	A	6.28
0.32	B	7.32	1

-	9	4.7	11
0.09	8.91	4.61	R
3.7	G	1	7.3

x	4.4	9	0.8
6	L	I	4.8
0.8	T	7.2	0.64

÷	2.8	35	0.14
0.2	14	170	0.7
7	A	H	0.02

+	3.68	36	3.6
6.32	S	42.32	Y
0.9	4.58	F	N

-	6.3	20	13
5.3	1	A	N
0.47	K	19.33	12.53

x	30	5.2	0.6
0.9	H	4.68	0.54
7	E	M	4.2

+	6	0.6	7.3
3.4	O	4	J
0.7	M	1.3	8

-	1.6	4	5.2
1.2	0.4	E	U
0.6	P	M	4.6

x	4.8	126	3.2
0.4	X	50.4	1.28
0.5	A	A	1.6

Master Coaching Pledge

Master Coaching Keys to Learning:

The following charter has been produced to prepare you the pursuit of excellence that leads to a life-time of rewards and fulfillment. This is a partnership agreement that allows both parties to mutually benefit from your time at Master Coaching

At the coaching session:

1. Smile, relax, you are focused and in control
2. Concentrate, visualize, execute: claim the reward
3. Assume success. Our members should approach each test in life enthusiastically; every challenge presents an opportunity to demonstrate your prowess. Relish but don't underestimate the magnitude of the test, instead focus your thoughts towards a positive outcome, a chance to excel; a time to enjoy your moment in the sun.

Master Coaching Pledge

Master Coaching Pledge

- that your welfare is the paramount consideration in everything that we do
- to be diligent in our preparations which directs our actions in support of you
- show care and give encouragement to you in your striving for excellence
- to personalise all our efforts to your specific needs in all areas
- to encourage you to dare to dream, and to expect that dreams do come true

Christian Avent

CHRISTIAN AVENT

B.Ed. NCAS Principal

My Commitment to Master Coaching

- to be honest in all my dealings and
- to accept their accolades and focus my efforts on achieving the zenith in all my endeavours
- to appreciate my cohorts and support them in any way possible
- to live the dream, strive for excellence in everything that I do
- visualise my ultimate success

Robert A Ollis

ROBERT A. OLLIS

B.Sc., Dip.Ed., M.Sc.
Founder, Master Coaching

Your complete satisfaction is the focus of everything we do.