Grade 6 – Book B

Workbook

(Revised CAPS edition)

Revised for 2023

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Chapter B1 Fractions

B 1	1.1	Bas	sic	fra	ctio	ns:
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Exercise 1: Date: _____

(1) Answer the questions.

2 5 31 45 32 33

(a) Which fraction of the numbers in the block is even numbers? _____

(b) Which fraction of the numbers in the block isn't even numbers?

(c) Which fraction of the numbers in the block has a '3' in the number?

(d) Which fraction of the numbers in the block has a '2' in the number? _____

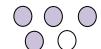
(e) How many elements in the block are natural numbers?_____

(2) Which fraction of the diagrams is shaded and which fraction is not shaded?

(a)







Fractions shaded:

Fractions not shaded: _____ ____





Fractions shaded: _____ ___

Fractions not shaded: _____ ___

(3) Use the table to arrange the fractions in ascending order.

1 whole							
$\frac{1}{2}$ $\frac{1}{2}$							
-	$\frac{1}{4}$ $\frac{1}{4}$		$\frac{1}{4}$ 4			1	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{2}$, $\frac{1}{4}$, $\frac{2}{2}$, $\frac{1}{8}$	\Rightarrow	
$\frac{3}{4}$; $\frac{1}{4}$; $\frac{7}{4}$; $\frac{1}{1}$	\Rightarrow	
$\frac{4}{4}$; $\frac{1}{2}$; $\frac{1}{4}$; $\frac{3}{4}$	\rightarrow	

MULTIPLICATION AND DIVISION (Speed test)

2 x - (e) 100 ÷ 4 = (f) 8 x 3 = (g) 25 ÷ 5 = (h) 8 x 4 = (e) 100 ÷ 4 = (f) 8 x 3 =	(a) 6 x 6 = (b) 36 ÷ 4 = (c) 4 x 5 =	(a) 7 x 3 = (b) 32 ÷ 4 = (c) 0 x 6 = (d) 48 ÷ 4 = (e) 7 x 6 =
(a) 16 ÷ 4 = (b) 9 x 3 = (c) 25 ÷ 5 = (d) 8 x 4 = (e) 100 ÷ 4 =	(b) 36 ÷ 4 = (c) 4 x 5 = (d) 12 ÷ 3 =	(b) 32 ÷ 4 = (c) 0 x 6 = (d) 48 ÷ 4 =
(b) 9 x 3 = (c) 25 ÷ 5 = (d) 8 x 4 = (e) 100 ÷ 4 =	(b) 36 ÷ 4 = (c) 4 x 5 = (d) 12 ÷ 3 =	(b) 32 ÷ 4 = (c) 0 x 6 = (d) 48 ÷ 4 =
(c) 25 ÷ 5 = (d) 8 x 4 = (e) 100 ÷ 4 =	(c) 4 x 5 = (d) 12 ÷ 3 =	(c) 0 x 6 = (d) 48 ÷ 4 =
(d) 8 x 4 = (e) 100 ÷ 4 =	(d) 12 ÷ 3 =	(d) 48 ÷ 4 =
(e) 100 ÷ 4 =	, ,	
	(e) 7 x 6 =	(e) 7 x 6 =
(f) 8 x 3 =		
	(f) 4 ÷ 0 =	(f) 27 ÷ 3 =
(g) 30 ÷ 6 =	(g) 7 x 5 =	(g) 18 ÷ 3 =
(h) 7 x 3 =	(h) 72 ÷ 6 =	(h) 9 x 6 =
(i) 24 ÷ 2 =	(i) 4 x 6 =	(i) 48 ÷ 6 =
(j) 8 x 6 =	(j) 28 ÷ 4 =	(j) 32 ÷ 4 =
Total:	Total:	Total:
Total ou	it of 40:	
	(i) 24 ÷ 2 = (j) 8 x 6 = Total:	(i) 24 ÷ 2 = (j) 8 x 6 = (j) 28 ÷ 4 =

Proper fraction: Numerator less than the denominator

 $\frac{1}{4}$ The fraction is *less than* 1..

Improper fraction: Numerator greater than the denominator $\frac{6}{4}$

The fraction is **greater than 1**

Mixed numbers:

A number written as a combination of an <u>integer</u> and a proper <u>fraction</u> . $\frac{3}{4}$

To convert improper fractions to mixed numbers is the same as division:

$$\frac{9}{4} = 2r1$$
 therefore: $\frac{9}{4} = 2\frac{1}{4}$

Exercise 2:

Date : _____

(1) Convert the improper fractions to mixed numbers:

$(1) \frac{7}{4} =$	(2) $\frac{9}{2}$ =	(3) $\frac{18}{5}$ =	(4) $\frac{27}{4}$ =
$(5) \frac{33}{4} =$	(6) $\frac{25}{6}$ =	$(7) \frac{47}{6} =$	(8) $\frac{40}{7}$ =
(9) $\frac{69}{8}$ =	$(10) \frac{50}{8} =$	(11) $\frac{20}{9} =$	$(12) \frac{147}{12} =$
(13) $\frac{16}{5}$ =	$(14) \frac{13}{2} =$	$(15) \frac{17}{4} =$	(16) $\frac{19}{3}$ =
$(17) \frac{39}{6} =$	$(18) \frac{45}{7} =$	$(19) \frac{29}{2} =$	(20) $\frac{100}{9}$ =
(21) $\frac{32}{15}$ =	(22) $\frac{30}{25}$ =	(23) $\frac{81}{20}$ =	$(24) \frac{112}{10} =$
(25) $\frac{50}{12} =$	(26) $\frac{65}{20}$ =	(27) $\frac{78}{11}$ =	(28) $\frac{32}{15}$ =
(29) $\frac{66}{15}$ =	$(30) \frac{56}{5} =$	(31) $\frac{37}{4} =$	(32) $\frac{21}{2}$ =
(33) $\frac{110}{25} =$	$(34) \frac{38}{5} =$	(35) $\frac{25}{3} =$	(36) $\frac{50}{4}$ =
(37) $\frac{105}{25} =$	$(38) \frac{38}{4} =$	(39) $\frac{105}{20} =$	$(40) \frac{46}{15} =$

MULTIPLIATION (Speed test)

_			_
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Date:

7 x - 9 x

Write down the answers.

(a)
$$3 \times 7 =$$

(b) $64 \div 8 =$

(c)
$$7 \times 7 =$$

(g)
$$0 \times 9 =$$

(h)
$$81 \div 9 =$$

(i)
$$3 \times 9 =$$

(a)
$$16 \div 8 =$$

(c)
$$64 \div 8 =$$

(e)
$$54 \div 9 =$$

(g)
$$9 \div 9 =$$

(h)
$$5 \times 7 =$$

(i)
$$32 \div 8 =$$

(j)
$$9 \times 7 =$$

Total:

(b)
$$63 \div 7 =$$

(d)
$$40 \div 8 =$$

(f)
$$16 \div 0 =$$

(g)
$$6 \times 5 =$$

(h)
$$84 \div 7 =$$

(b)
$$16 \div 8 =$$

(c)
$$6 \times 8 =$$

(d)
$$60 \div 5 =$$

(e)
$$9 \times 9 =$$

(f)
$$77 \div 7 =$$

(g)
$$32 \div 4 =$$

(h)
$$9 \times 8 =$$

(i)
$$36 \div 6 =$$

(j)
$$36 \div 4 =$$

Total:

Total out of 40:

Total:

Exercise 3:

Date: _____



$$2 \frac{1}{4} = \frac{9}{4} (2 \times 4 + 1 = 9)$$

(1) Convert the mixed numbers to improper fractions:

) Convert the mixed numbers to improper fractions:					
(1) $1\frac{1}{2}$ =	(2) $1\frac{1}{3}$ =	(3) $1\frac{1}{4} =$	(4) $1\frac{1}{5} =$		
(5) $3\frac{1}{3}$ =	(6) $2\frac{2}{3}$ =	(7) $2\frac{3}{5} =$	(8) $1\frac{1}{9} =$		
(9) $2\frac{3}{4}$	(10) $2\frac{1}{9} =$	(11) $3\frac{1}{3} =$	(12) $3\frac{1}{8} =$		
(13) $1\frac{1}{6} =$	(14) $2\frac{3}{7} =$	(15) $25\frac{1}{4} =$	(16) $1\frac{1}{8} =$		
$(17) 1\frac{2}{10} =$	(18) $1\frac{2}{6} =$	(19) $1\frac{3}{5} =$	(20) $1\frac{3}{4} =$		
(21) $5\frac{1}{6} =$	(22) $4\frac{3}{8} =$	(23) $9\frac{3}{4} =$	(24) $45\frac{1}{2} =$		
(25) $3\frac{4}{6} =$	(26) $9\frac{1}{5} =$	(27) $6\frac{3}{4} =$	(28) $8\frac{1}{8} =$		
(29) $5\frac{3}{7} =$	(30) $8\frac{3}{5} =$	(31) $11\frac{3}{4} =$	(32) $12\frac{1}{7} =$		
(33) $7\frac{1}{8} =$	(34) $4\frac{1}{8} =$	(35) $9\frac{1}{2} =$	(36) $5\frac{1}{3} =$		
(37) $4\frac{1}{5} =$	(38) $6\frac{3}{8} =$	(39) $7\frac{3}{4} =$	$(40) 9\frac{1}{8} =$		
$(41) 2\frac{1}{15} =$	$(42) 6\frac{2}{9} =$	$(43) 9^{\frac{2}{7}} =$	$(44) 25\frac{1}{3} =$		
(45) $15\frac{1}{4} =$	(46) $10\frac{3}{8} =$	$(47) 8\frac{3}{12} =$	$(48) 35\frac{1}{2} =$		
(49) $2\frac{1}{5} =$	$(50) 11\frac{3}{12} =$	(51) $12\frac{2}{8} =$	(52) $6\frac{3}{8} =$		
(53) $3\frac{1}{9} =$	(54) $6\frac{3}{6} =$	(55) $2\frac{7}{8} =$	(56) $8\frac{7}{8} = _{-}$		

Exercise	B1	C:
-----------------	-----------	----

Date

2 x - 12 x

Write down the answers.

(b)
$$48 \div 8 =$$

(c)
$$3 \times 7 =$$

(d)
$$24 \div 6 =$$

(e)
$$3 \times 6 =$$

(f)
$$48 \div 8 =$$

(g)
$$3 \times 9 =$$

(h)
$$49 \div 7 =$$

(j)
$$7 \times 7 =$$

Total:

(a) $21 \div 7 =$ _____

(c)
$$25 \div 5 =$$

(f)
$$9 \times 8 =$$

(g)
$$108 \div 9 =$$

(h)
$$4 \times 7 =$$

(i)
$$30 \div 6 =$$

Total:

(a) 12 x 6 =____

(b)
$$36 \div 3 =$$

(c)
$$9 \times 9 =$$

(d)
$$24 \div 8 =$$

(e)
$$9 \times 7 =$$

(f)
$$121 \div 11 =$$

(h)
$$32 \div 8 =$$

(j)
$$56 \div 8 =$$

Total:

Total out of 40:

(a) $5 \times 8 =$

(b)
$$21 \div 7 =$$

(d)
$$60 \div 5 =$$

(e)
$$4 \times 7 =$$

(f)
$$48 \div 4 =$$

(g)
$$27 \div 9 =$$

(i)
$$40 \div 8 =$$

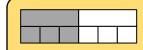
(j)
$$72 \div 6 =$$

Total:

B1.3 Equivalent fractions:

Exercise 4:

EQUIVALENT FRACTIONS



$$\frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$$
 therefore: $\frac{1}{2} = \frac{3}{6}$

(1) Write the equivalent fractions:

GOLDEN RULE: Whatever you do to the numerator must be applied to the denominator as well.

(a)
$$\frac{1}{4} \times \frac{3}{3} = \frac{12}{12}$$

(b)
$$\frac{1}{4} \times \frac{1}{4} = \frac{16}{16}$$

(a)
$$\frac{1}{4} \times \frac{3}{3} = \frac{1}{12}$$
 (b) $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$ (c) $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$

(d)
$$\frac{4}{8} \times ----= \frac{32}{32}$$

(e)
$$\frac{4}{7} \times \frac{}{} = \frac{}{35}$$

(d)
$$\frac{4}{8} \times \frac{4}{8} \times$$

(g)
$$\frac{3}{6} \times \frac{12}{6} = \frac{12}{6}$$
 (h) $\frac{5}{8} \times \frac{5}{6} = \frac{25}{6}$ (i) $\frac{3}{9} \times \frac{3}{6} = \frac{3}{6}$

$$\frac{5}{8} \times ----= -\frac{25}{}$$

(i)
$$\frac{3}{9}$$
 x — = ____3

(j)
$$\frac{4}{7} \times \frac{36}{100} = \frac{36}{100} \times \frac{3}{6} \times \frac{3}$$

$$\frac{3}{6} \times ----= -\frac{21}{6}$$

(I)
$$\frac{2}{3} \times ---- = -\frac{60}{60}$$

(m)
$$\frac{4}{9} \times \frac{4}{9} \times \frac{1}{90} = \frac{2}{90} \times \frac{2}{9} \times \frac{1}{90} = \frac{1}{5} \times \frac{1}{90} = \frac{1}{70} \times \frac{1}{90} = \frac{1}{10} \times \frac{1}{10} = \frac{1}{10} \times \frac{1}{10}$$

(n)
$$\frac{2}{9} \times ---- = -\frac{81}{81}$$

(o)
$$\frac{1}{5} \times ---- = \frac{1}{70}$$

(2) Write the following as improper fractions and complete the equivalent fractions.

(a)
$$2\frac{1}{3} = \frac{7}{3} \times \frac{1}{3} = \frac{7}{3} \times \frac{1}{3} = \frac{1}{3} \times \frac{1}{3} \times$$

$$4\frac{1}{2} = \cdots \times \frac{3}{3} = \cdots$$

(c)
$$1\frac{1}{3} = \frac{1}{3} \times \frac{1}{3} \times \frac{1}{21}$$

(d)
$$3\frac{1}{2} = \cdots \times \frac{7}{7} = \frac{7}{14}$$

(d)
$$3\frac{1}{2} = \frac{7}{7} = \frac{7}{14}$$
 (e) $7\frac{2}{4} = \frac{3}{4} \times \frac{3}{3} = \frac{7}{14}$ (f) $6\frac{4}{6} = \frac{4}{6} \times \frac{7}{18}$

(f)
$$6\frac{4}{6} = \frac{1}{6} \times \frac{1}{18}$$

(g)
$$3\frac{3}{4} = \frac{4}{4} \times \frac{4}{4} = \frac{16}{16}$$

(h)
$$3\frac{1}{5} = \frac{2}{5} \times \frac{2}{2} = \frac{2}{5}$$

(g)
$$3\frac{3}{4} = \frac{4}{4} \times \frac{4}{4} = \frac{4}{16}$$
 (h) $3\frac{1}{5} = \frac{2}{5} \times \frac{2}{2} = \frac{10}{10}$

(j)
$$3\frac{2}{3} = \frac{7}{3} \times \frac{7}{7} = \frac{7}{21}$$
 (k) $3\frac{3}{4} = \frac{3}{4} \times \frac{3}{3} = \frac{7}{12}$

(k)
$$3\frac{3}{4} = \frac{3}{4} \times \frac{3}{3} = \frac{3}{12}$$

(I)
$$6\frac{2}{3} = \frac{}{3} \times \frac{}{} = \frac{}{15}$$

(m)
$$6\frac{3}{7} = \frac{2}{7} \times \frac{2}{2} = \frac{1}{14}$$
 (n) $6\frac{1}{4} = \frac{3}{4} \times \frac{3}{3} = \frac{3}{14}$

$$6\frac{1}{4} = \frac{3}{4} \times \frac{3}{3} = \frac{3}{4}$$

(o)
$$2\frac{7}{9} = \frac{7}{9} \times \frac{7}{3} = \frac{7}{3}$$

MULTIPLES OF LARGE NUMBERS

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Date:

(1) Write down the first ten multiples of the following numbers:

15	
35	
25	
45	
125	

(2) Write down the answers.

(c)
$$3 \times 125 =$$

(f)
$$6 \times 15 =$$

(q)
$$3 \times 25 =$$

(g)
$$1 \times 125 =$$

(i)
$$0 \times 25 =$$

Total:

Total:	
--------	--

Total:

F - 1 - 1	i .
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Total out of 40:

B1.4 Simplifying of fractions:

Exercise 5:

Date: _____

SIMPLIFY THE FRACTIONS

HCF(GCF) of 28 and 32 is 4 $\frac{28}{32} = \frac{y}{8}$ $\frac{28}{32} \div \frac{4}{4} = \frac{7}{8}$ therefore y = 7

$$\frac{28}{32} = \frac{y}{8}$$

$$\frac{28}{32} \div \frac{4}{4} = \frac{7}{8}$$

(1) Calculate the value of the unknown.

SECRET: Find the HCF (GCF)of the numerator and the denominator and then simplify

the fraction.

Show your work!

(1)
$$\frac{8}{16} = \frac{x}{4}$$

$$GCF = 4$$

(3)
$$\frac{16}{40} = \frac{x}{5}$$

GCF =

$$\therefore \frac{8}{16} \div --- = \frac{}{4}$$

Therefore
$$x = \underline{\hspace{1cm}}$$

Therefore
$$y =$$

Therefore
$$x = \underline{\hspace{1cm}}$$

(4)
$$\frac{15}{35} = \frac{m}{7}$$

$$(5) \quad \frac{36}{48} = \frac{n}{4}$$

(4)
$$\frac{15}{35} = \frac{m}{7}$$
 | GCF = ____ | (5) $\frac{36}{48} = \frac{n}{4}$ | GCF = ____ | (6) $\frac{18}{81} = \frac{c}{9}$

(6)
$$\frac{18}{81} = \frac{c}{9}$$

٠.

Therefore m = _____

Therefore n = ____

(7)
$$\frac{3}{18} = \frac{1}{x}$$

(8)
$$\frac{20}{45} = \frac{4}{n}$$

(7)
$$\frac{3}{18} = \frac{1}{x}$$
 | GCF = ____ | (8) $\frac{20}{45} = \frac{4}{m}$ | GCF = ____ | (9) $\frac{25}{125} = \frac{1}{k}$ | GCF = ____

(9)
$$\frac{25}{125} = \frac{1}{k}$$

Therefore x =_____

Therefore m = _____

Therefore **k** = _____

(10)
$$\frac{24}{64} = \frac{x}{8}$$

(10)
$$\frac{24}{64} = \frac{x}{8}$$
 GCF = _____ (11) $\frac{50}{90} = \frac{5}{m}$ **GCF** = _____ (12) $\frac{21}{28} = \frac{3}{k}$

$$(12) \quad \frac{21}{28} = \frac{3}{k}$$

Therefore $x = \underline{\hspace{1cm}}$

Therefore $m = \underline{\hspace{1cm}}$

Therefore k =_____

MULTIPLES (Large numbers)

Exercise B1E:

Date:

Write down the answers.

Total out of 20:

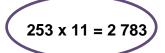
MULTIPLY BY '11'.

To multiply by '11': ${\overset{\bigcirc}{23}}$ x 11 = 2 5 3 (2 + 3 = 5 add the two numbers to get the middle number.)

Encircle the multiples of 11.

297	392	231	374	197	198	385	111	495	484

Study the following. There are more sums on page 104.



Use a calculator to check the answers.

(13)
$$\frac{14}{21} = \frac{c}{3}$$

(13)
$$\frac{14}{21} = \frac{c}{3}$$
 GCF = _____ (14) $\frac{12}{15} = \frac{c}{5}$ **GCF** = _____ (15) $\frac{8}{12} = \frac{c}{3}$

(15)
$$\frac{8}{12} = \frac{c}{3}$$

Therefore $c = \underline{\hspace{1cm}}$

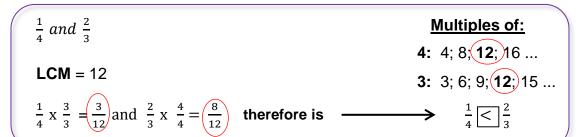
Therefore $c = \underline{\hspace{1cm}}$

Therefore $c = \underline{\hspace{1cm}}$

B1.5 Operations with fractions:

B1.5.1 Order of fractions:

LCM = Lowest Common Multiple



Exercise 6:

Date:

Determine the common denominators and do the sums. Fill in <, > of =:

(1) $\frac{2}{5}$ and $\frac{1}{2}$	(2) $\frac{1}{4}$ and $\frac{2}{16}$	(3) $\frac{4}{6}$ and $\frac{1}{3}$
LCM = <u>10</u>	LCM =	LCM =
$\frac{2}{5} \times \frac{2}{2} \qquad \frac{1}{2} \times \frac{5}{5}$		
$\frac{4}{10} < \frac{5}{10} \left(\frac{2}{5} < \frac{1}{2}\right)$		
(4) $\frac{3}{8}$ and $\frac{3}{4}$	(5) $\frac{1}{6}$ and $\frac{3}{5}$	(6) $\frac{1}{2}$ and $\frac{2}{4}$
LCM =	LCM =	LCM =

DIVISION

Exe	xercise B1F: Date:									_				
Wri	te the	ansv	wers in	the blo	ocks unde	erneath.								
(1)	(1) How many times can the number be divided by two?													
	11	6	248	400	164	1 1	00	15	8	50	0	35	66 65	50
(2)	How m	nany	times	can the	number	be divid	ded b	y ele	ven?					
	363	3	297	121	352	671	3	374	36	3	792	2	*1089	
(3)	How m	nany	times	can the	number	be divid	ded b	y fifte	een?					
	30	9	0	150	60	45	10	5	180		1 500	,	15 000	
(4)	How	man	y time	s can th	ne numbe	r be div	ided	by tw	enty	five	?			_
	75	5	50	100	200	275	1	50	50	0	1 00	0	10 000	4
'		•			Tota	al out of	36:		_					_

(7) $\frac{1}{3}$ and $\frac{2}{6}$	(8) $\frac{4}{7}$ and $\frac{1}{3}$	(9) $\frac{2}{4}$ and $\frac{5}{6}$
LCM =	LCM =	LCM =
(10) $\frac{4}{6}$ and $\frac{5}{7}$	(11) $\frac{2}{5}$ and $\frac{1}{2}$	(12) $\frac{2}{5}$ and $\frac{3}{6}$
LCM =	LCM =	LCM =
(13) $\frac{3}{4}$ and $\frac{2}{6}$	(14) $\frac{2}{7}$ and $\frac{1}{5}$	(15) $\frac{2}{45}$ and $\frac{3}{15}$
LCM =	LCM =	LCM =
(16) $\frac{7}{16}$ and $\frac{3}{4}$	(17) $\frac{3}{5}$ and $\frac{1}{4}$	(18) $\frac{7}{10}$ and $\frac{2}{4}$
LCM =	LCM =	LCM =
(19) $\frac{2}{8}$ and $\frac{3}{6}$	(20) $\frac{3}{15}$ and $\frac{2}{4}$	(21) $\frac{5}{35}$ and $\frac{10}{70}$
LCM =	LCM =	LCM =

-	
	<u></u>

B1.5.2 Addition of fractions:

Exercise 7:

Date:

$$\frac{2}{3} + \frac{4}{6}$$
= $\frac{2}{3} \times \frac{2}{2} + \frac{4}{6}$
= $\frac{4}{6} + \frac{4}{6}$ or $\frac{4+4}{6}$
= $\frac{8}{6}$ (Simplify)
= $1\frac{2}{6}$ (Simplify)
= $1\frac{1}{3}$

(3)	$\frac{10}{15} + \frac{2}{5}$	_
= _		
=		
_		

(5) $\frac{2}{6} + \frac{1}{3}$

(6)	$\frac{2}{3} + \frac{4}{9}$	
=		

= _____ (Simplify)

(7)
$$\frac{9}{12} + \frac{3}{4}$$

(0)	$\overline{15}$ $\overline{5}$	
=		
_		

(9)
$$\frac{12}{25} + \frac{3}{15}$$

= ____(Simplify)

$$(10) \ \frac{15}{30} + \frac{6}{15}$$

____(Simplify)

(11)	15	9	
(11)	30	10	

=____(Simplify)

=				
=				
				_

=____(Simplify)

$(12) \frac{9}{15} + \frac{1}{5}$	$(13) \ \frac{4}{8} + \frac{3}{16}$	$(14) \frac{4}{12} + \frac{2}{4}$
=	=	=
_	_	
<u> </u>	-	=
=	=	=

An athlete ran a $\frac{1}{4}$ of a marathon on a Me	onday and $\frac{3}{8}$ on a Tuesday.
(a) What fraction of the marathon did he co (b) What fraction of the marathon must still	I be completed? Remember:
Start with the number sentence: (a)	(b) $\frac{8}{8} = 1 marathon$

Exercise 8:

Date: _____

MORE ADDITION!

Add the fractions. Simplify where possible.

$$\frac{1}{3} + \frac{1}{5}$$

$$= \frac{1}{3} \times \frac{5}{5} + \frac{1}{5} \times \frac{3}{3}$$

$$= \frac{5}{15} + \frac{3}{15} \quad \text{or} \quad \frac{5+3}{15}$$

$$= \frac{8}{15}$$

(1)	$\frac{2}{3} + \frac{3}{4}$	
=		
=		

(2)	$\frac{3}{7} + \frac{4}{5}$	
=		
=		

MIXED OPERATIONS (Speed test)

Exercise B1G:

Date: _____

'BODMAS'

 $24 - 2 \times 3 = 24 - 6$ = 18

Write the answers.

(a)
$$20 \div 5 \times 3 =$$

(b)
$$3 \div 3 + 6 =$$

(c)
$$15 - 5 \times 2 =$$

(d)
$$40 \div 4 \times 2 =$$

(e)
$$5 \div 5 + 1 =$$

(f)
$$5 \div 5 \div 0 =$$

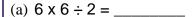
(g)
$$6 + 15 \div 3 =$$

(h)
$$5 + 64 \div 8 =$$

(i)
$$3 + 81 \div 9 =$$

(j) $5 \times 8 + 12 =$

Total:



(b)
$$12 + 8 \div 4 =$$

(c)
$$21 \div 3 \times 2 =$$

(d)
$$48 \div 6 \times 0 =$$

(e)
$$35 \div 5 \times 2 =$$

(f)
$$4 + 18 \div 2 =$$

(g)
$$4 + 27 \div 3 =$$

(h)
$$6 + 48 \div 8 =$$

(i)
$$4 + 24 \div 3 =$$

Total:

(a)
$$8 \times 2 - 4 =$$

(b)
$$12 \div 4 \times 6 =$$

(c)
$$3 + 3 \times 5 =$$

(d)
$$3 + 30 \div 3 =$$

(e)
$$22 \div 2 \times 1 =$$

(f)
$$60 \div 5 \times 2 =$$

(g)
$$12 + 24 \div 4 =$$

(h)
$$12 + 49 \div 7 =$$

(i)
$$20 - 16 \div 4 =$$

(j)
$$24 \div 3 \times 5 =$$

Total:

Total out of 30: