

NAME: _____

GRADE: _____

MATHS WORKSHEETS (FOURTH TERM) 2012

A. FRACTIONS: Textbook (DIY Fractions – on school computer)

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FRACTION GAMES (on computer)

B. DECIMAL FRACTIONS

Fraction Wall

1 whole															
$\frac{1}{2}$								$\frac{1}{2}$							
$\frac{1}{4}$				$\frac{1}{4}$				$\frac{1}{4}$				$\frac{1}{4}$			
$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$	
$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$

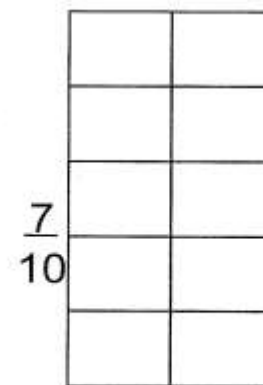
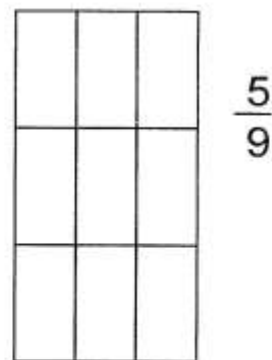
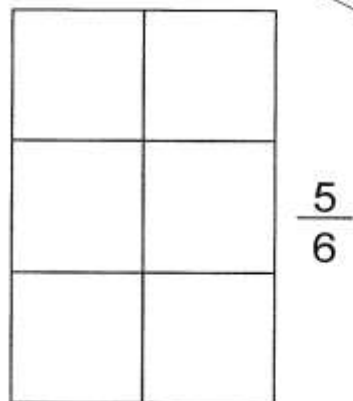
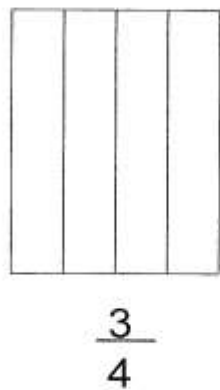
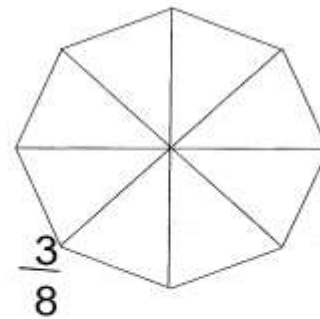
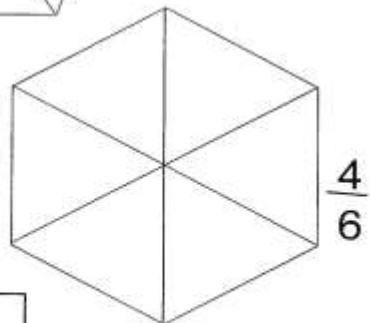
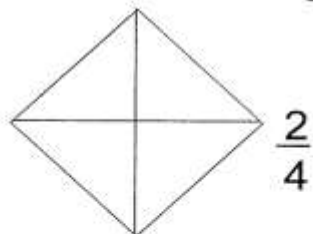
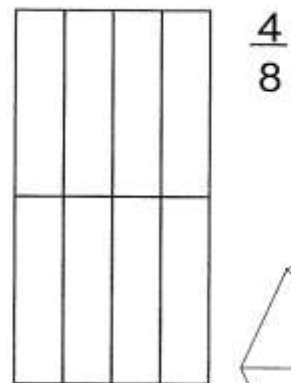
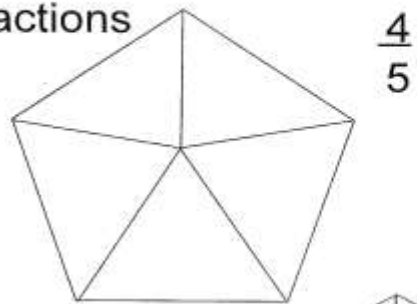
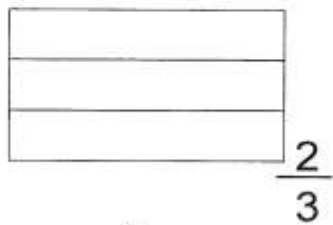
Fraction Wall

1 whole											
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

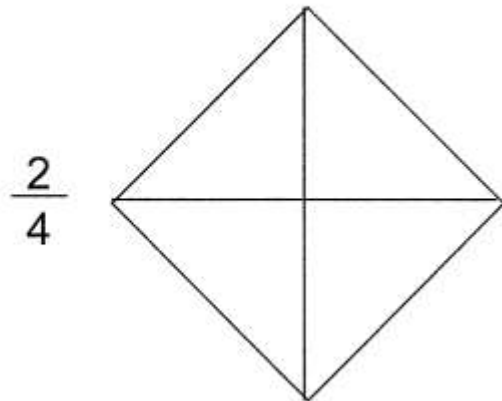
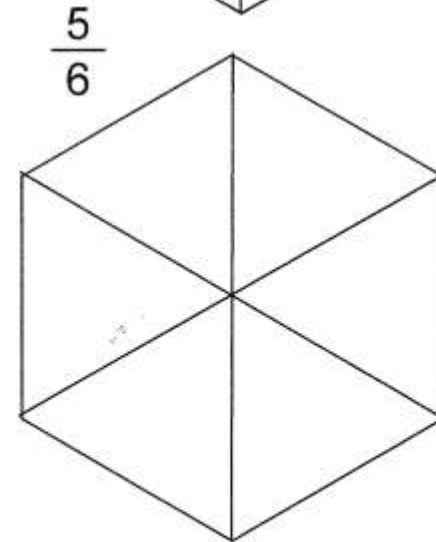
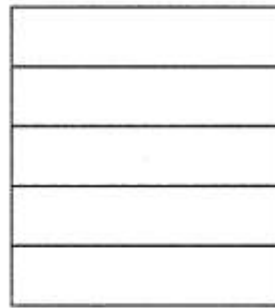
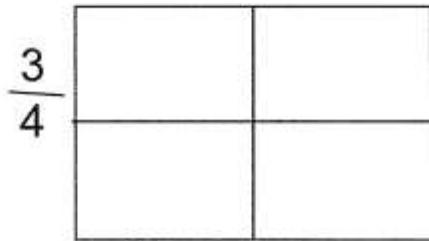
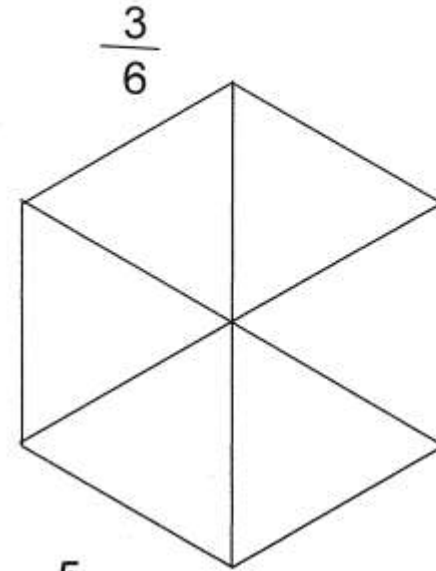
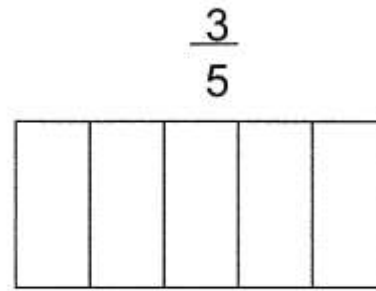
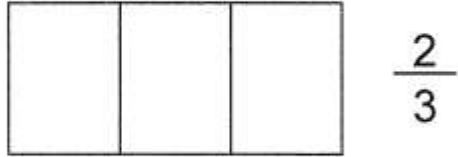
Fraction Wall

1 whole									
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Colour in these fractions



Colour in these fractions



SMARTIE PROJECT (FRACTIONS)

Buy a small box of smarties and bring it to school with you. Open the box and answer the following questions.

Questions	Number	Fraction
How many smarties are there in your box?		
How many are brown?		
How many are orange?		
How many are red?		
How many are blue?		
How many are green?		
How many are yellow?		
How many are purple?		
How many are pink?		



TYPES OF FRACTIONS

Proper fraction eg $\frac{3}{5}$	Improper fraction eg $\frac{5}{4}$	Mixed fraction eg $1\frac{1}{2}$
Equal fraction eg $\frac{1}{2} = \frac{1}{2}$	Equivalent fraction eg $\frac{5}{10}$ and $\frac{1}{2}$	

INSTAMATHS EXERCISE ON EQUIVALENT FRACTIONS

43	Equivalent fractions (1)	20	
44	Equivalent fractions (2)	20	

Exercise: Fill in the missing equivalent fractions

$\frac{1}{2} = \frac{\quad}{8}$	$\frac{2}{3} = \frac{4}{\quad}$	$1 = \frac{\quad}{10}$	$\frac{3}{5} = \frac{9}{\quad}$
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$\frac{1}{3} = \frac{\quad}{6} = \frac{4}{\quad}$	$\frac{1}{5} = \frac{3}{\quad} =$	$\frac{5}{8} = \frac{25}{\quad}$	$\frac{3}{7} = \frac{\quad}{21}$	<p>Make your own equivalent fraction.</p> $\frac{5}{9}$
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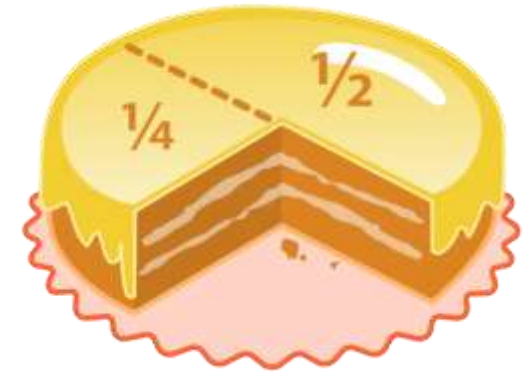
FRACTIONS USING "OF" (WORKSHEET 1)

What is **half of** 12 _____ ; 26 _____ ; 22 _____

What is **a quarter of** 100 _____ ; 72 _____ ; 60 _____

What is **a third of** : 9 _____ ; 21 _____ ; 36 _____

What is **a fifth of** 20 _____ ; 35 _____ ; 45 _____



Fill in the correct answers : **tenth; sixth; quarter; seventh; ninth; fifth; third; eighth**

Eg If 2 equal parts, each part is one **half**.

a) If 3 equal parts, each part is one _____	f) If 7 equal parts, each part is one _____
b) If 4 equal parts, each part is one _____	g) If 8 equal parts, each part is one _____
c) If 5 equal parts, each part is one _____	h) If 9 equal parts, each part is one _____
d) If 6 equal parts, each part is one _____	i) If 10 equal parts, each part is one _____

FRACTIONS USING "OF" (WORKSHEET 2)

a) What is one third of 18? _____	e) What is four tenths of 20? _____
b) What is an eighth of 16? _____	f) What is three eighths of 8 ? _____
c) What is one quarter of 28? _____	g) What is two fifths of 10? _____
d) What is a fifth of 25? _____	h) What is two thirds of 21? _____

EXERCISE

1. One quarter of a class of 28 paint the room. **How many children** paint? _____
2. One seventh of a class of 35 children are absent. **How many children** are absent? ____
3. There are 48 boys in grade 4. They are split into two classrooms. **How many boys** in each classroom?

4. Three quarters of a class go on a school trip. **What fraction** of the children remain at school? _____

INSTA-MATHS EXERCISES (OF)

Ex		Total	Your mark
39	One-part fractions	20	
40	One part fractions of a group of things	20	
41	Ordering one-part fractions	20	
45	Quarters of a group of things	20	
46	Fractions of real things	10	

ADDING OF FRACTIONS

PLEASE DO NOT DO THESE SUMS IN THIS BOOK. YOU MUST SET THEM OUT PROPERLY IN YOUR MATHS CLASSWORK BOOK.

1. $\frac{3}{4} + \frac{2}{4}$	2. $\frac{3}{5} + \frac{4}{5}$	3. $\frac{2}{10} + \frac{3}{5}$
4. $\frac{1}{8} + \frac{3}{4}$	5. $\frac{3}{7} + \frac{5}{14}$	6. $\frac{5}{6} + \frac{4}{12}$

SUBTRACTION OF FRACTIONS

PLEASE DO NOT DO THESE SUMS IN THIS BOOK. YOU MUST SET THEM OUT PROPERLY IN YOUR MATHS CLASSWORK BOOK.

1. $\frac{5}{7} - \frac{2}{7}$	2. $\frac{4}{6} - \frac{1}{3}$	3. $\frac{2}{3} - \frac{3}{6}$
4. $\frac{3}{5} - \frac{3}{10}$	5. $\frac{7}{8} - \frac{1}{4}$	6. $\frac{5}{6} - \frac{8}{12}$

INSTA-MATHS EXERCISES

42	Counting in fractions	20	
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REVISION TEST (FRACTIONS)

FRACTIONS TEST

MATHS NUMERACY : FRACTIONS AND DECIMALS (GRADES 3 AND 4; ORANGE)
 $\frac{1}{2}$ AN HOUR

60	RECOGNISE UNIT FRACTIONS (NOTATIONS AND GRAPHICS)	
61	RECOGNISE UNIT FRACTIONS (NOTATION AND WORDS)	
62	FIND HALF OF NUMBERS TO 30	
63	FIND FRACTIONS OF NUMBERS (OF)	
64	FRACTIONS OF WORLD PROBLEMS	
65	RECOGNISE SIMPE FRACTIONS (NOTATION AND GRAPHICS)	
66	RECOGNISE SIMPLE FRACTIONS (NOTATIONS AND WORDS)	
67	RECOGNISE SIMPLE FRACTIONS OF SHAPES	
68	MATCH EQUIVALENT FRACTIONS (NOTATION AND GRAPHICS)	
69	FRACTIONS GREATER OR LESS THAN A HALF	
70	MATCH EQUIVALENT FRACTIONS (NOTATION)	
71	ADD FRACTONS TO MAKE 1	
72	ORDER FRACTIONS	
73	UNDERSTAND MIXED NUMBERS	
74	RECOGNISE MIXED NUMBERS ON A NUMBERLINE	

FRACTIONS AND DECIMALS: GRADES 4 AND 5; OLIVE

FRACTIONS

95	RECOGNISE SIMPLE FRACTONS (NOTATION AND WORDS)	
96	RECOGNISE SIMPLE FRACTONS (NOTATION AND GRAPHICS)	
97	RECOGNISE MIXED NUMBERS (NOTATION AND GRAPHICS)	
98	RECOGNISE EQUIVALENCE TO ONE HALF	
99	HALVES, QUARTERS AND EIGHTHS	
100	TENTHS AND FIFTHS	
101	THIRDS AND SIXTHS	
102	MATCH EQUIVALENT FRACTIONS (NOTATION)	
103	ADD FRACTIONS TO MAKE 1	
104	FRACTIONS GREATER OR LESS THAN ONE HALF	
105	ORDER FRACTIONS	
106	COMPARE FRACTIONS (< OR >)	
107	RELATE FRACTIONS TO DIVISION	
108	FIND FRACTIONS OF NUMBERS	
109	FIND FRACTIONS OF QUANTITIES	
110	FRACTION WORD PROBLEMS	

DECIMALS

111	WRITE DECIMALS WITH ONE DECIMAL PLACE	
112	UNDERSTAND PLACE VALUE (TENTHS)	
113	UNDERLINE PLACE VALUE (HUNDREDTHS)	
114	ROUND OFF TO THE NEAREST R	
115	CHANGE DECIMALS WITH ONE DECIMAL PLACE	
116	COUNT ON OR BACK IN TENTHS	
117	ORDER DECIMALS (TENTHS)	
118	ORDER DECIMALS (HUNDREDTHS)	
119	CONVERT MEASUREMENTS	
120	MIXED UNITS WORD PROBLEMS	
121	MATCH EQUIVALENT DECIMALS AND FRACTIONS	

INSTAMATHS

47	Fraction tenths and decimals	20	
48	Decimals (1)	20	
49	Decimals (2)	20	
52	Decimal fractions and money	10	
53	Money and decimal fractions	10	

TERM 4

MATHLETICS: SPACE AND SHAPE/DATA HANDLING



SPACE AND SHAPE: TERM 4	DATA HANDLING : TERM 4
ARE YOU READY?	ARE YOU READY?
What prism am I?	
What pyramid am I?	Tallies
How many edges?	Bar Graphs 1
How many faces?	Interpreting tables
How many corners?	What are the chances?
Relate shapes and solids	How many combinations?
Symmetry or not?	TEST
Co-ordinate meeting place	
Using a key	SOMETHING EASIER
TEST	Who has the goods?
	Making graphs
SOMETHING EASIER	Picture graphs
Collect the objects	
Match the object	SOMETHING HARDER
Left or right?	Column graphs
Collect more shapes	Line graphs: interpretation
Following directions	Sector graphs
	Divided bar graphs
SOMETHING HARDER	
Sides, angles and diagonals	
Prisms and pyramids	
Rotational symmetry	
Map co-ordinates	
More directions	
Scale	