TEST 8

Summary:

		Marks
SECTION A: NUMBERS		
Question 1	Mental Maths	14
SECTION B: EQUIVALENT FRACTIONS		
Question 1	Shade the equivalent fractions.	4
Question 2	Determine what fraction is shaded	4
Question 3	Fill in “true” of “false”	10
SECTION C: OPERATIONS WITH FRACTIONS		
Question 1	Operations with fractions	16
SECTION D: WORD PROBLEM		
Question 1	Word Problem	2

Total:		**50**

SECTION A:

MENTAL MATHS

Question 1 **(14)**

(a) (72 ÷ 6) x 5 ÷ 4 =	**15**	(h) 48 ÷ 8 x 25 + 50 =	**200**
(b) 48 ÷ 4 + 6 x 2 =	**24**	(i) 700 – 70 x 5 =	**350**
(c) 800 – 5 x 5 x 5 =	**675**	(j) (12 x 12) – (11 x 4) =	**100**
(d) 120 ÷ 4 x 2 + 45 =	**105**	(k) 75 x 2 ÷ 3 + 15 =	**65**
(e) 81 ÷ 9 x 12 + 120 =	**228**	(l) 1 000 ÷ (25 x 8) + 55 =	**60**
(f) 2 x (90 ÷ 5) + 20 =	**56**	(m) 15 x 6 ÷ 6 + 45 =	**60**
(g) 150 + 75 ÷ 3 + 30 =	**205**	(n) (45 x 2) +(25 **x** 2) =	**140**

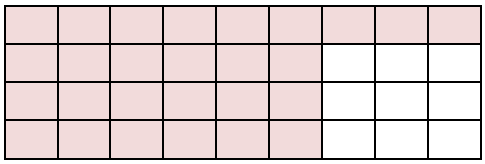
SECTION B:

EQUIVALENT FRACTIONS

Question 1 **(4)**

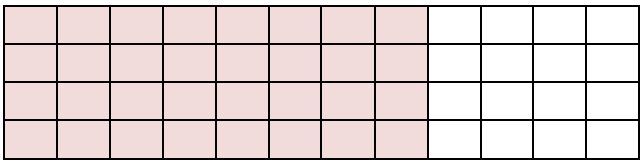
Colour the blocks as indicated.

(a)



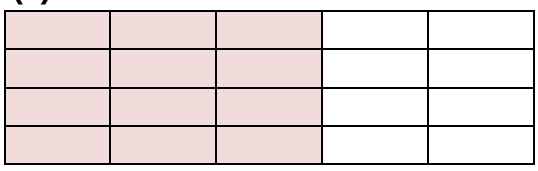
$\frac{3}{4}$

(b)



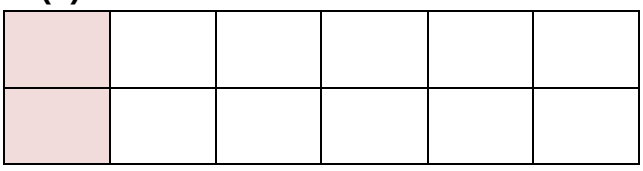
$\frac{4}{6}$

(c)



$\frac{3}{5}$

(d)

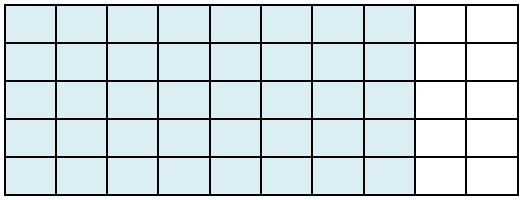


$\frac{3}{18}$

Question 2 **(4)**

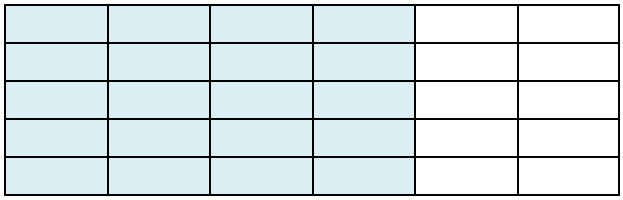
What fraction is shaded?

(a)



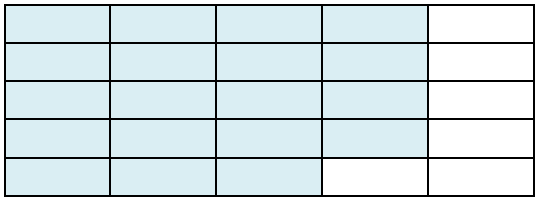
How many fifths are shaded? ___4___

(b)



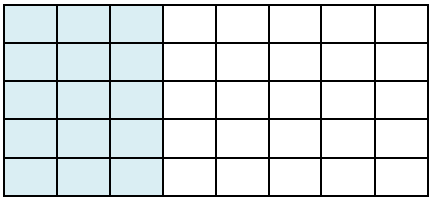
How many sixths are shaded? ___4___

(c)



How many fifths are shaded? ___4___

(d)



How many eighths are shaded? ___3___

Question 3 **(10)**

Fill in: "True" of "False". Make a drawing to help you.

(a) $\frac{4}{6}$ *is the same as* $\frac{8}{12}$ ___true___

(b) $\frac{5}{6}$ *is greater than* $\frac{1}{2}$ ___true___

(c) $\frac{1}{6}$ *is less than* $\frac{1}{8}$ ___false___

(d) $\frac{3}{4}$ *is greater than* $\frac{12}{16}$ ___false___

(e) $\frac{6}{6}$ *is the same as* $\frac{2}{2}$ ___true___

(f) $1\frac{1}{4}$ *is the same as* $\frac{6}{4}$ ___false___

(g) $\frac{36}{6}$ *iis the same as* 6 *wholes* ___true___

(h) $\frac{4}{5}$ *is less than* $\frac{28}{30}$ ___true___

(i) $\frac{7}{8}$ *is greater than* $\frac{6}{2}$ ___false___

(j) $\frac{3}{4}$ *is the same as* $\frac{20}{32}$ ___false___

SECTION B: **OPERATIONS WITH FRACTIONS**

Question 1 **(16)**

Do the sums. Show your calculations. (2 marks each)

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

$= 1+\frac{1}{4}+\frac{1}{4}+2\frac{2}{4}$

$= 3+\frac{4}{4}$

$= 4$

$=$

(b) $1\frac{1}{5}+\frac{1}{10}+2\frac{1}{10}$

$= 3+\frac{2}{10}+\frac{1}{10}+\frac{1}{10}$

$= 3+\frac{4}{10}$

$= 3\frac{2}{5}$

$=$

(c) $1\frac{4}{6}+1\frac{1}{3}+2\frac{2}{3}$

$= 4+\frac{4}{6}+\frac{2}{6}+\frac{4}{6}$

$= 4+\frac{10}{6}$

$= 5\frac{4}{6}$

$= 5\frac{2}{3}$

(d) $1\frac{1}{4}+2\frac{3}{8}+2\frac{1}{2}$

$= 5+\frac{2}{8}+\frac{3}{8}+\frac{4}{8}$

$= 5+\frac{9}{8}$

$= 6\frac{1}{8}$

$=$

(e) $4\frac{3}{6}+\frac{1}{2}+2\frac{1}{2}=$

$= 6+\frac{3}{6}+\frac{3}{6}+\frac{3}{6}$

$= 6+\frac{9}{6}$

$= 7\frac{3}{6}$

$= 7\frac{1}{2}$

(f) $2\frac{1}{6}+1\frac{1}{12}+2\frac{1}{6}$

$= 5+\frac{2}{12}+\frac{1}{12}+\frac{2}{12}$

$= 5+\frac{5}{12}$

$= 5\frac{5}{12}$

$=$

(g) $1\frac{3}{5} + \frac{1}{10} + 1\frac{1}{2} =$

= $2 + \frac{6}{10} + \frac{1}{10} + \frac{5}{10}$

= $2 + \frac{12}{10}$

= $3 + \frac{2}{10}$

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

(h) $2\frac{1}{4} + 1\frac{1}{12} + 2\frac{2}{3}$

= $5 + \frac{3}{12} + \frac{1}{12} + \frac{8}{12}$

= $5 + \frac{12}{12}$

= 6

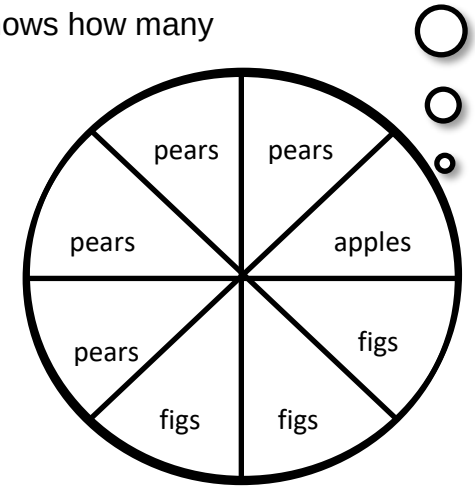
=

The circle is divided into equal parts.

SECTION C: **WORD SUMS**

Question 1 **Study the circle and answer the questions.**

There are 24 children in the class. The circle shows how many children favour a particular fruit.



(a) What fractions are indicated by the :

Pears: $\frac{4}{8}$

Figs: $\frac{3}{8}$

Apples: $\frac{1}{8}$

(b) How many children favour the following fruit?

Pears	Apples	Figs
12	3	9