Materials for assessing adult numeracy





department for **education and skills** creating opportunity, releasing potential, achieving excellence The population of Wales is approximately $2\frac{1}{2}$ million. Write this in numbers in the box.

What is the value of the 7 in this number? Write your answer in words.

3700206

What is the next number after 3099 999?

How much profit or loss did this company make over the years from 1999 – 2001? Write your answer in the box. Show whether it is a profit or loss by writing a plus sign or a minus sign.

Year	Profit/Loss (£)
1999	+ 125000
2000	- 1385000
2001	+ 690000

The temperature is -2° C. It rises by 5° C. What is the temperature now? Circle the correct choice.

7°C 0°C –7°C 3°C –3°C 5°C 2°C

Is 8 a factor of 82? Tick yes or no.

yes		no	
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N1/L2.1 N1/L2.2

LEVET	Number	٦	āsk 1
FEVEL			
7	Circle the number that is not a factor of 12.		
	2 3 4 9 12		
8	Is 49 a multiple of 7? Tick yes or no.		
	yes no		
9	Circle the number that is not a multiple of 6.		
	18 26 42 60		
10	What is the next prime number after 13?		
1	Estimate how much money Jim would need to buy 19 items at £2.99 each You do not need to give the exact answer.	1.	
	£		
12	Estimate the answer to this problem. You do not need to give the exact number.		
	$\frac{2999 \times 98}{21} =$		
	TC	TAL	
2	N1/I 2 1 N1/I 2 2		

Task 2

In a factory of 600 people, the ratio of male workers to female workers is 3 : 2. How many workers are female?

There are 12000 supporters at a football match. 10000 are home supporters and the rest are away supporters. Complete the ratio of home supporters to away supporters.

_____:1

Fill in the missing measurement.

Scale	Size drawn	Actual size
1:5	250m	1250m
1:10	125cm	1250cm
1:50	110mm	mm



N1/L2.3





N1/L2.4

5

Number Task 4

8





Number

Task 4

Calculate to the lowest terms.



Calculate to the lowest terms.

$$\frac{7}{12} - \frac{2}{6} =$$

15

Three people took different portions of a cake. One person had $\frac{1}{2}$ the cake. One person had $\frac{1}{3}$ of the cake. What fraction was left for the third person?

TOTAL









£

On the night shift, a line produces 50 fridges. Sal packed 15 of them into boxes. What percentage of the total is this?

%

Task 6



Tyre Fitters	
4 Tyres GTX 7 @£56 Fitting & balancing	244 . 00 36 . 00
Sub-total :	280.00
VAT 17.5%	£
Total	£

Work out the total cost of this bill, including VAT.

TOTAL

Calculator Questions*





Task 8

mins	secs	iutes and see
How many mi	inutes in 4	1 ₄ hours?
Write 400 mir	mins nutes as ho	ırs and minu
Write 400 mir hrs	mins nutes as ho mins	ırs and minu
Write 400 mir hrs	mins nutes as ho mins	urs and minu
Write 400 mir hrs How many ha	mins nutes as ho mins ours in $4\frac{1}{2}$	urs and minu lays?

You need to get to Kilverley by 1.30pm. Which is the latest bus you can catch from Harbet bus station to get there on time? Write the time in the box.

Harbet Bus Station	0851	1051	1255
Seven Sisters	0857	1057	1302
Chalgate Green	0903	1103	1308
West Kent Street	0908	1108	1313
Coach Inn	0913	1113	1318
Kilverley	0920	1120	1326
Drench Marsh	0931	1131	1337
Higton Bus Station	0943	1143	1349

*Not Bank Hoildays, Good Friday or Boxing Day.



How long does it take to get from Harbet Bus Station to the Coach Inn? Write the time taken in minutes in the box.

Harbet - Higton vi Mondays to Fridays*	a Chalgate	Green	Service 90
Harbet Bus Station	0851	1051	1255
Seven Sisters	0857	1057	1302
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mins

Look at this calendar for May.

You finish work on Friday 10th May and have 2 weeks' holiday.

What is the date of the Monday you start back at work?

May 6 13 20 27 Mon 7 14 21 28 Tue 8 15 22 29 1 Wed 16 23 30 2 9 Thur 10 17 24 31 3 Fri 11 18 25 4 Sat 5 12 19 26 Sun

TOTAL

Task 9

Look at the currency chart.

A cup of coffee in the USA is approximately \$2. What would this be in pounds sterling (£)?

£

You need to change £200 into euros. How many euros will you get?

€

Pound Sterling (£1=)				
\$	1.41			
€	1.62			
Yen	188.55			
Dollar (\$1=)				
£	0.71			
€	1.15			
Yen	133.55			
Euro (€1=)				
\$	0.87			
£	0.62			







Look at the thermometer in question 4. The temperature in Spain is 38°C. What is this in Fahrenheit?



The area of a wall is 24 square metres. How many 5 litre tins of paint will be needed to cover this wall?



2.5 cm is approximately one inch. A piece of wood measures 60 inches. How long is this in cm?



TOTAL





Task 11

Find the approximate area of this flower bed using the measurements shown and the formula $A = I \times w$.



cm²

A fish tank has a volume of 24000cm³, a length of 40cm, and a width of 20cm. Using the formula $V = I \times w \times h$, find the height of the tank.



Task 12

Α		В	С		
·					
Tick the	e statement that	t is the correct m	eaning of the w	ords parallel line	S.
Lines th	at are straight				
Lines th	at are always th	he same distance	apart		
Lines th	at cross				
Lines th	at converge				

MSS2/L2.1 MSS2/L2.2





How many mowers of type B were sold in the year 2001?

Handling data Task 13

How many more mowers of type A were sold in the year 2002 than in 1999?

Which type of mower sold best from the year 1999 to 2002?



Source: Family Expenditure Survey, Office for National Statistics

Which year did people spend about the same amount on holidays as they did on buying TVs and videos?

What have people spent more money on in the last few years – holidays or TVs and videos? Tick the correct answer.

Spending more on holidays

Spending more on TVs and videos

TOTAL

Handling data

Task 14



Complete the scale on the vertical axis of the graph.

Enter the data to make a line graph. The first one is done for you.

Look at the graph. For how many hours did the temperature remain constant at 20° C?

hrs

TOTAL



Handling data



Handling data

Task 15

TOTAL

Four workers earn different hourly rates of pay.

What is the average hourly rate?

£

Departme	nt A	
Worker 1	earns £4.50 an hour	
Worker 2	earns £5.00 an hour	
Worker 3	earns £5.10 an hour	
Worker 4	earns £6.00 an hour	
$\wedge \wedge$		

In a warehouse, out of 4000 glasses 20 were found to be broken. A glass is picked at random – what is the chance that it is broken?

Circle the correct answer.

$\frac{1}{4000}$	<u>1</u> 200
$\frac{1}{20}$	<u>20</u> 4000

A coin is thrown in the air 6 times and each time it lands heads up. What is the chance of it being heads the next time it is thrown? Circle the correct answer.

$$\frac{2}{1}$$
 $\frac{6}{1}$ $\frac{1}{2}$ $\frac{1}{1}$



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