Answer

A		Answer	
1	154 ÷ 7 =		22
2	$(11 \times 9) + (0 \times 9) =$		99
3	Write in words the number 60060.		

N.Tr	sixty thousand an	d sixty
4	Write the fraction $\frac{3}{20}$ as a percentage.	15%
5	Express 20% of 0.25 as a decimal.	0.05
- 6	4.5 ÷ 6 =	0.75

7	10 - (6.3 ÷ 10) =	٠	 9.37
8	Approximate 0.044 to the		

	nearest hundredth.		0.04
9	a Calculate exactly, then	a 6.72	
	b approximate to 1 decimal place.	b 6.7	

	2.1 × 3.2
10	If $s = 6$ and $t = 5$,

2 What is 9% of £50?

find the value of $3t - s$.	
$11 \frac{4}{15} \times \frac{10}{12} =$	

12 √144 =	
B is the part to the second of the part of	Answer
1 £13.26 – 115p =	£12.11

3	Change 2.5m to centimetres.		250cm
4	2650m + 8145m	=	10km 795m
		=	10.795km
.5	$3\frac{1}{2}$ centuries =		350 years
6	Katy cycles $4\frac{1}{2}$ miles in 20min. Find her mean (average) speed		1 .

£4.50

	in miles per hour.
7	Find the circumference of a coin of diameter 7cm to the nearest whole centimetre.

of diameter 7cm to the nearest
whole centimetre.
,
$\pi = 3.14$

	16 3.14		 	 	22	cn	n
8	The smallest angle of a right-angled						
	Automotion to TOO NAME at all 1						

triangle is 3 the other a	0°. What sizes a ngles?	are	60°	90°

U

10 Approximate 606g to the	
nearest kilogram.	 1kg

The table below is part of a spreadsheet. The computer can perform calculations on the data held in each cell by applying a mathematical formula.

For example, the value in cell D2 is found by using the formula B2*C2 where * means multiply (i.e. $£6.50 = £0.65 \times 10$).

The formula used to calculate the total cost of £47.02 is SUM(D2:D9). That is, £47.02 is found by adding together all the values in cells D2 to D9.

		Α	В	С	D
himmono	1	Cakes ordered	Price each	Quantity	Cost
и отменностично	2	Doughnut	£0.65	10	£6.50
Decoration of the Party of the	3	Cupcake	£1.99	6	£11.94
of the same of the	4	Fruit cake	£2.99	4	£11.96
direct contracts	5	Gingerbread man	£0.99	5	£4.95
- Creation Contraction Co	6	Belgian waffle	£1.49	2	£2.98
	7	Bakewell tart	£2.49	1	£2.49
	8	Macaroon	£0.45	4	£1.80
	9	Chocolate éclair	£0.55	8	£4.40
O FEBRUARY ROPE	10	Total			£47.02

1	Write down the contents	
	of cell A5.	 gingerbread man

2	Write down the contents	
	of cell B9.	£0.55

3	Write down the contents	-	
	of cell D4.		£11.96

4	Which cell contains the	
	word 'Macaroon'?	A8
5	Which cell contains the value 82	C9

,	Which cen contains the value of		
6	Which cell contains the value £2.98?		D6

7	What is the result of multiplying the	
	contents of cell B8 by the contents	
	of cell C8?	£1.8

8	Which cell of the table above		•	
	contains the answer to Question 7?	 		D8

9	What is the result of applying	
,	the formula B5*C5?	£4.95

10	What is the result of applying the			40
	formula SUM(C2:C9)?	. 1	-	40

11	Into which empty cell would you	
	write the answer to Question 10?	C10

12	Write down in words what the result
	of the formula in Question 10 tells you.

total quantity	of	goods ordered is 40
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A		Answer
1	1001 × 12 =	12012
2	154 ÷ 25 =	6r 4
3	Add together two thousand and eight and eight thousand and two. Answer in digits.	10010
4	Express 2% as a decimal.	0.02
5	Write $\frac{3}{5}$ of 7.5 as a decimal.	4.5
6	21.3 – 7.8 + 8.7 =	(4.8) 22.2
7	$9.9 - (9.9 \div 9.9) =$	1 BIDMAS 8.9
8	Approximate 14.139 to two decimal places.	14.14

Mental Arithmetic 6 Answers

9 a Calculate exactly, then

 0.05×3.22

 $12 2^3 =$

b approximate to 1 decimal place.

10	$\frac{4}{8} \div 3 =$		
11	a + 5 = 29	so a =	24

a 0.161

b 0.2

(E			Answer		
1	81p - £1.06 + 52p =		(7	7) _{27p}	
2	Increase £25 by 50%.		£37.50		
, 3	Change 1.1kg to grams.			1100g	
4	855g + 2.2kg	==	₃kg	55g 3.055kg	
5	4h 20min =			260min	
6	A car travels at a speed of 45km/h for 1h and then at 60km/h for 2h Find the average speed of the car.			55km/h	
7	A 7.5cm line is enlarged by the sca factor 3. What is the length of the new line?			22.5cm	

7	A 7.5cm line is enlarged by the scale factor 3. What is the length of the new line?	22.5cm
8	The largest angle of an isosceles triangle is 100°. How big is each of the other angles?	40°

9	Which letters of the word GROCER have a horizontal			
	axis of symmetry?	_0	C	E

10	16oz equal 1lb (pound). Approximate	
	50oz to the nearest pound.	 ∃lb

The table compares monthly rainfall figures for Glasgow
and London

	Rainfall in millimetres		
Month	Glasgow	London	
January	170	45	
February	141	39	
March	127	44	
April	88	36	
May	86	43	
June	79	49	
July	99	63	
August	135	58	
September	119	48	
October	133	65	
November	161	54	
December	186	56	
Annual total	1524	600	

1	What is the total annual rainfall for Glasgow?	1524mm
2	What is the mean (average) monthly rainfall for Glasgow?	127mm

	In which month was the rainfall in Glasgow closest to the mean?	March
4	What fraction of Glasgow's annual	1

5	What is the range of rainfall
	in Glasgow? (i.e. the difference
	between the wettest month and

rainfall fell in March?

the driest month)

By how much does the rainfall in	
Glasgow's driest month exceed that	
of London's wettest month?	 14mm

107mm

7	What is the total annual rainfall	
	for London?	600mm

8	What is the mean (average) monthly rainfall of London?	 50mm
9	In which month was the rainfall in	

	London closest to the mean?	 June
10	What percentage of London's annual rainfall fell in the driest month?	 6%

		·
11	What is the range of rainfall	
	in London?	29mm

_13½mph

9