Test 11

A

			Answer
1	$10^3 = 10 \times 10 \times 10 =$		1000
2	$1100 - 280 =$		820
3	$490g =$ kg		0.49kg
4	$0.14 - 0.07 =$		0.07
5	a $\frac{9}{100} =$ %	a	9%
	b $0.36 =$ %	b	36%
6	$3\frac{3}{4} - 2\frac{7}{8} =$		$\frac{7}{8}$
7	$9m \div 30 =$ cm		30cm
8	$£0.08 \times 7 = £$		£0.56
9	$60\% = \frac{\quad}{5}$		$\frac{3}{5}$
10	175 seconds = min s		2min 55s
11	$0.073 =$ thousandths		73 thousandths
12	75% of 1.2kg = g		900g

B

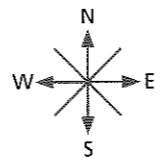|			Answer
1	Find the total in litres of 700ml, 300ml and 450ml.		1.45l
2	How much greater than $\frac{1}{2}$ is		
	a 0.64	a	0.14
	b 0.502?	b	0.002
3	What is the time $\frac{3}{4}$h later than 23:20?		00:05
4	Find the cost of 50g at £1.40 per $\frac{1}{2}$kg.		14p
5	Round 0.249 to the nearest tenth.		0.2
6	Write each of the following as a an improper fraction and b a mixed number.		
	67 tenths	a $\frac{67}{10}$	b $6\frac{7}{10}$
	23 sixths	a $\frac{23}{6}$	b $3\frac{5}{6}$
7	Find the difference between $\frac{3}{4}$ of £1 and 0.8 of £1.		5p
8	How many grams are there in $\frac{1}{8}$ of 1kg?		125g
9	Write each of these percentages as a a decimal and b a simplified fraction.		
	80%	a 0.8	b $\frac{4}{5}$
	30%	a 0.3	b $\frac{3}{10}$
10	What is the value of x when 39 less than x is 76?		115
11	What percentage of £1.00 is		
	a 54p	a	54%
	b 6p?	b	6%
12	Find in m² the area of a rectangle 16.8m long and 50cm wide.		8.4m²

C

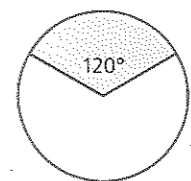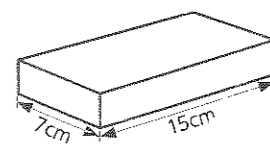|			Answer
1	Find the numbers between 30 and 50 which have both 4 and 6 as factors.		36 48
2	The mean amount saved by seven children was 83p. How much was saved altogether?		£5.81
3	How much further from home was Hannah at 12:00 than at 11:00?		6km

Hannah's journey
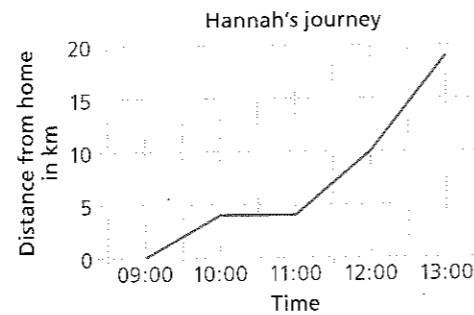
4	The distance between two towns is 580km. If a map is drawn to a scale of 1cm to 100km what length in millimetres represents this distance?		58mm
5	Write as a fraction in its lowest terms.		
	a 100g of 400g	a	$\frac{1}{4}$
	b 9km of 45km	b	$\frac{1}{5}$
	c 500ml of $1\frac{1}{2}$l	c	$\frac{1}{3}$
6	What is the temperature for 7°C below zero?		−7°C
7	Write the year 2014 using Roman numerals.		MMXIV
8	Find the missing divisor in this example.		9

$$\begin{array}{r} 9\ r\ 6 \\ \overline{)8\ 7} \end{array}$$

9	A bag contained an equal number of 10ps and 5ps to a total value of £4.50. How many coins were there of each kind?		30
10	By putting in a decimal point make the 7 in each number have the value of 7 thousandths.		
	a 2070	a	0.207
	b 67	b	0.067
11	Find the smallest amount of pence that can be added to £2.55 to make it divisible exactly by 7.		4p
12	A carpet 6.5m by 4m is fitted onto a floor to leave a border of 50cm wide.		
	Find a the length	a	7.5m
	b the breadth of the room.	b	5m

Test 12

A

			Answer
1	$70000 = 10 \times 100 \times$		70
2	$4.505 =$ thousandths		4505 thousandths
3	$3m\ 40cm + 1.8m =$ m cm		5m 20cm
4	$40 \times 2\frac{3}{4} =$		110
5	$4.7kg + 2.4kg =$ g		7100g
6	$\frac{1}{20} = \frac{\quad}{100} =$ %		$\frac{5}{100} = 5\%$
7	$20000 + 800 + 6 =$		20806
8	$0.09 \times 6 =$		0.54
9	$£70 \div 20 =$		£3.50
10	40% of 900 =		360
11	$350ml \times 8 =$ l		2.8l
12	100% of £3.86 =		£3.86

B

			Answer
1	By how many is 30090 less than forty thousand?		9910
2	Find the mean of these amounts. 47p, 62p, 13p and 18p		35p
3	What fraction of one hour is		
	a 12min	a	$\frac{1}{5}$
	b 50min?	b	$\frac{5}{6}$
4	Find 5% of £4.00.		20p
5	How many degrees are there turning clockwise		
	a from SE to W	a	135°
	b from N to SW?	b	225°
6	Find the difference between the largest and smallest of these numbers. 2.202 2.02 2.22		0.2
7	What is the cost of 800ml at 90p per litre?		72p
8	By how many twelfths is $\frac{1}{4}$ less than $\frac{1}{3}$?		$\frac{1}{12}$
9	What percentage is		
	a 20 of 200	a	10%
	b 250g of 1kg?	b	25%
10	Find the value of x when $\frac{x}{5} = 3$.		15
11	Find to the nearest pence $\frac{£7.87}{8}$		98p
12	What year is represented by MCMXLV?		1945

C

			Answer
1	What number when divided by 6 equals the product of 5 and 9?		270
2	How many hours and min are there from 09.40 to 13.25?		3h 45min
3	Of these quadrilaterals which has		
	a four equal sides	a	rhombus
	b only one pair of parallel sides?	b	trapezium
	rectangle rhombus parallelogram trapezium		
4	20% of 700 children have school lunches. How many		
	a have school lunches	a	140
	b bring a packed lunch from home?	b	560
5	How many sectors of the given size can be cut from the circle?		3
6	Seven packets of equal mass together have a mass of 4.55kg. Find in grams the mass of each packet.		650g
7	Which of these numbers are multiples of both 6 and 8? 16 24 30 36 42 48 64		24 48
8	One part of weed killer is mixed with 5 parts of water. How many millilitres of each are required to make 3l of weed killer?		500ml 2500ml
9	Charlie buys a bicycle for £80 and pays for it in weekly instalments of 10%.		
	a For how many weeks does he pay?	a	10
	b How much is the weekly payment?	b	£8
10	Put these decimals in ascending order. 0.75 0.7 0.57 0.8 0.5		0.5 0.57 0.7 0.75 0.8
11	A car travels 10km on 1l of petrol. How much petrol does the car use if it travels on average 450km daily for six days?		270l
12	a How many cm cubes fit exactly into the bottom of the box?	a	105
	b If the box is 3cm high, how many cm cubes are needed to fill it?	b	315