A

12 − 7 =	5	53 ÷ 7 =	7 r 4
9 + 4 =	13	(6 × 8) + 5 =	53
3 × 6 =	18	70 ÷ 8 =	8 r 6
63 ÷ 9 =	7	(4 × 9) + 7 =	43
6 + 9 =	15	52 ÷ 6 =	8 r 4
7 × 8 =	56	(7 × 0) + 3 =	3
11 − 7 =	4	4 ÷ 9 =	0 r 4
24 ÷ 3 =	8	(8 × 1) + 6 =	14
5 + 8 =	13	61 ÷ 7 =	8 r 5
0 ÷ 7 =	0	(9 × 4) + 5 =	41
8 × 6 =	48	77 × 10 =	770
64 ÷ 8 =	8	135 ÷ 10 =	13 r 5
9 × 3 =	27	35 × 20 =	700
13 − 7 =	6	204 ÷ 20 =	10 r 4
7 + 8 =	15	96 × 30 =	2880
15 − 9 =	6	156 ÷ 40 =	3 r 36
0 × 8 =	0	108 × 60 =	6480
4 + 6 =	10	302 ÷ 60 =	5 r 2
40 ÷ 8 =	5	88 × 70 =	6160
16 − 7 =	9	463 ÷ 90 =	5 r 13

B

Write these numbers in digits.

forty thousand and nine — 40009
eighty-one thousand two hundred and five — 81205
two hundred and ten thousand four hundred — 210400
five hundred and six thousand and seventy — 506070
700000 + 1000 + 90 + 5 — 701095
$(4 \times 10000) + (8 \times 100) + 9$ — 40809
1 million — 1000000
$1\frac{3}{4}$ million — 1750000
2.6 million — 2600000
$(6 \times 10^3) + (3 \times 10^2) + (0 \times 10)$ — 6300
$(9 \times 10^4) + (7 \times 10^3) + (1 \times 10^2) + (3 \times 10)$ — 97130

Write the answers to these as decimals.

206 tenths — 20.6
1509 thousandths — 1.509
eighteen hundredths — 0.18
$17 + \frac{5}{10} + \frac{3}{1000}$ — 17.503
$10 + \frac{6}{100} + \frac{7}{1000}$ — 10.067
$\frac{27}{100} + \frac{8}{1000}$ — 0.278
$60 + \frac{57}{1000}$ — 60.057

C

Write in digits the number which is

forty less than ten thousand — 9960
zero point six two more than ten — 10.62
five hundred less than fifty-five thousand — 54500
two point seven less than two hundred. — 197.3

Write in words the value of the digit underlined.

37908 — seven thousand
1604326 — six hundred thousand
9.084 — eight hundredths
20.502 — two thousandths

7.9 =	79 tenths	20.6 =	206 tenths
0.75 =	75 hundredths	3.09 =	309 hundredths
0.018 =	18 thousandths	10.06 =	10060 thousandths
5.9 =	5900 thousandths	0.003 =	3 thousandths

Write these numbers, omitting the zeros which do not alter the value of the number.

17.09	17.09	8.070	8.07
020.60	20.6	30.020	30.02
002730	2730	106.00	106

D

3.46 + 5.04 =	8.5	30.08 × 10 =	300.8
5.16 + 3.8 =	8.96	2.017 × 100 =	201.7
1.99 + 2.01 =	4.00	0.063 × 1000 =	63
0.76 + 0.493 =	1.253	3 × 7.8 =	23.4
2.83 + 7.178 =	10.008	0.09 × 6 =	0.54
3.92 − 1.9 =	2.02	6.075 × 8 =	48.6
6.1 − 0.7 =	5.4	10.3 ÷ 10 =	1.03
10.0 − 9.348 =	0.652	3.7 ÷ 100 =	0.037
7.2 − 0.09 =	7.11	46 ÷ 1000 =	0.046
8.63 − 3.58 =	5.05	18.36 ÷ 6 =	3.06
5.825 − 0.06 =	5.765	2.43 ÷ 9 =	0.27

Find the value of x.

$x + 19 = 54$	35	14.091 ÷ 7 =	2.013

Find the value of x.

3.2 + x = 10	6.8	10 × x = 3.65	0.365
52 − x = 18	34	x × x = 36	6
x − 4.05 = 3.6	7.65	7x = 108.5	15.5
2.3 + x = 20	17.7	$\frac{x}{5}$ = 12.8	64
x = 17.2 − 5.5	11.7	$\frac{72}{x}$ = 9	8

E

Approximate to the nearest:

hundred thousand	1.37 million	1.4 million
thousand	79464	79000
hundred	23086	23100
whole number	a $16\frac{1}{3}$ — 16	b 29.52 — 30
first decimal place	10.38	10.4
	5.94	5.9
second decimal place.	0.025	0.03
	13.004	13.00

F

Work out these divisions
a to 2 decimal places then
b approximate the answer to the nearest first decimal place.

39 ÷ 8 =	a 4.88	b 4.9
5.5 ÷ 3 =	a 1.83	b 1.8
14.6 ÷ 7 =	a 2.09	b 2.1

Work out these divisions
a to 3 decimal places then
b write the answer correct to 2 decimal places.

58 ÷ 6 =	a 9.667	b 9.67
34.26 ÷ 9 =	a 3.807	b 3.81

A

Find the total of each row of coins.

50p	20p	10p	5p	2p	1p	Total
	2	3	4	6		£1.02
2	5	9			13	£3.03
	7		5	8		£1.81
		17	8		12	£2.22
1	3	6		10		£1.90
5	4	7	12			£4.60
11					23	£5.73

B

Find a the total cost of the items bought and b the change

money given	cost of items bought	total cost	change
50p	9p, 8p, 18p	35p	15p
four 10ps	5 at 7p each	35p	5p
£1	23p, 18p, 40p	81p	19p
£1 and 50p	3 at 38p each	£1.14	36p
£2	10 at 18p each	£1.80	20p
£5 note	£2.75, £1.28	£4.03	97p

C

£0.39 = 5ps + seven 2ps — 5
£0.85 = 50p + 5ps — 7
£1.70 = two 10ps + 50ps — 3
£2.80 = eight 5ps + 20ps — 12
£4.25 = seven 50ps + 5ps — 15

How many items each costing

2p for 98p — 49
3p for £1.74 — 58
5p for £2.05 — 41
50p for £18.50 — 37
20p for £25.20 — 126
5 for 6p for £1.62 — 135
7 for 10p for £3.30? — 231

10 items cost £1.20
1 costs 12p — 7 cost 84p
100 items cost £2.30
10 cost 23p — 30 cost 69p
20 items cost £3.60
5 cost 90p — 1 costs 18p
8 items cost £1.44
3 cost 54p — 7 cost £1.26
5 items cost 85p
1 costs 17p — 9 cost £1.53
40 cost £6.80 — 100 cost £17.00

39p + 57p + 41p = £1.37
£1.06 + £3.70 + £0.28 = £5.04
£1.36 − 87p = 49p
£4.00 − £1.68 = £2.32
€6.03 − €1.89 = €4.14
19p × 7 = £1.33
£2.08 × 9 = £18.72
£5.78 × 6 = £34.68
£3.04 ÷ 8 = 38p
£27 ÷ 4 = £6.75
$43.45 ÷ 5 = $8.69

D

55cm =	0.55m	20.7cm =	207mm
309mm =	30.9cm	3.45m =	345cm
5040mm =	5.04m	10.6m =	10600mm
1095cm =	10.95m	0.085km =	85m
300m =	0.3km	7.5km =	7500m
2805m =	2.805km	4.285km =	4285m
5000m =	5km	0.065kg =	65g
90g =	0.09kg	8.11kg =	8110g
875g =	0.875kg	5.4l =	5400ml
3500g =	3.5kg	0.75l =	750ml
120ml =	0.12l	4.5l =	4500cm³
650ml =	650cm³	2.008l =	2008cm³

Find the cost of:

100g at 70p per kg — 7p
400g at 45p per kg — 18p
250g at £1.10 per $\frac{1}{2}$kg — 55p
3.5kg at 18p per $\frac{1}{2}$kg — £1.26
450g at 70p per $\frac{1}{2}$kg — 63p
75cm at £3.00 per m — £2.25
10cm at £2.90 per m — 29p
20cm at £4.20 per m — 84p
1.25l at 36p per $\frac{1}{2}$l — 90p
900ml at 60p per l — 54p
6.5m² at £4.50 per m². — £29.25

E

Fill in the missing times.

12-hour clock time	24-hour clock time
10.35 p.m.	22:35
4.10 a.m.	04:10
12.05 a.m.	00:05
11.55 p.m.	23:55

How many hours and minutes between

8.45 a.m. and 11.20 a.m. — 2h 35min
10.25 a.m. and 1.05 p.m. — 2h 40min
9.38 p.m. and 2.10 a.m. — 4h 32min
11:50 and 13:15 — 1h 25min
06:19 and 10:20? — 4h 1min

How many days inclusive

from 28 March to 7 April — 11
from 13 May to 4 June — 23
from 15 July to 3 August — 20
from 24 September to 8 November — 46
from 19 October to 10 December? — 53

F

Approximate to the nearest:

£1   a £12.09 — £12.00   b £3.52 — £4.00
10p a £2.37 — £2.40   b £10.06 — £10.10

Write the answer to the nearest penny.

a $\frac{1}{3}$ of £7.00 — £2.33   b £3.10 ÷ 7 — 44p
c $\frac{1}{8}$ of £17.25 — £2.16   d $\frac{1}{4}$ of £3.95 — 99p

Approximate to the nearest:

centimetre	0.837m	84cm
metre	305.6cm	3m
kilogram	9kg 550g	10kg
litre	6.325l	6l
$\frac{1}{2}$ kilogram	7.750kg	8kg
hour	2h 29min	2h
$\frac{1}{2}$ hour	4h 21min.	$4\frac{1}{2}$h