SECTION 3 | Test 9

A

	Answer
1 $\frac{1}{2}$m = a ☐ cm	a ☐ cm
b ☐ mm	b ☐ mm
2 21 thirds = ☐ whole ones	☐
3 50p − ☐ p = 21p	☐ p
4 £8 ÷ 10 = ☐ p	☐ p
5 Find 0.1 of 10cm.	☐ cm
6 408 ÷ ☐ = 6	☐
7 ☐ − 99.25 = 0.75	☐
8 7^2 =	☐
9 (8p × 8) + (4p × 9) =	£ ☐
10 £0.78 + £0.46 =	£ ☐
11 2.7km − 1900m = ☐ m	☐ m
12 0.4m − 0.04m = ☐ cm	☐ cm

B

	Answer
1 How many pence have the same value as	
a £0.1	a ☐ p
b £0.9?	b ☐ p
2 Find in millilitres $\frac{1}{2}$ of 15l.	☐ ml
3 Two angles together make a right angle. One angle is 55°. How large is the other angle?	☐ °
4 Divide the sum of the digits from 1 to 6 inclusive by 3.	☐
5 Write the time 35 minutes before 18:10 using the 24-hour clock format.	☐
6 Subtract $1\frac{3}{8}$ from 6.	☐
7 Find the difference in grams between $\frac{1}{2}$kg and $\frac{3}{10}$kg.	☐ g
8 How many balloons costing 6p each can be bought for 84p?	☐
9 $\frac{1}{4}$l costs 8p. Find the cost of $2\frac{1}{2}$l.	☐ p
10 Change each of these fractions to hundredths.	
a $\frac{1}{20}$	a ☐/100
b $\frac{7}{20}$	b ☐/100
11 Write the missing numbers in this sequence.	
2, 4, 8, ☐, ☐, 64	☐ ☐
12 $\frac{5}{6}$ of a sum of money is £35. Find the whole amount.	£ ☐

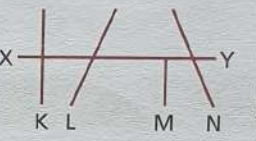
C

	Answer
1 Find the difference in grams between the largest and the smallest of these masses.	
300g 0.4kg $\frac{1}{2}$kg 1.1kg	☐
2 Find the total value of these coins.	£ ☐

3 

This clock is 7 minutes slow. How many minutes is it from the correct time to midnight? ☐ m

evening

4 

Which of the lines are perpendicular to the line XY? ☐

5 5m of carpet costs £3.00. Find the cost of

a 1m — a ☐

b 20cm. — b ☐

6 Through how many right angles does the hour hand of a clock turn in 24 hours? ☐

7 

Each square represents 1 square centimetre.

a Count the squares to find the area of the rectangle. — a ☐ cm^2

b Find its perimeter in centimetres. — b ☐ cm

8 What number is 9 less than 4? ☐

9 A 20m piece of wood is cut into 100 equal pieces. Find the length in centimetres of one piece. ☐ cm

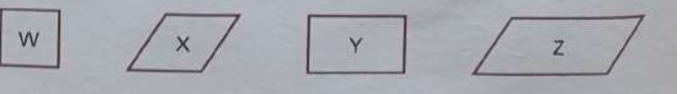
10 In a sale, shoes were reduced by 12p per £1. How much was paid for the shoes, which cost £10 before the sale? £ ☐

11 In a library there were 158 non-fiction books and 132 fiction books. How many short of 350 books was the total? ☐

12 Write the letter of the shape that is

a a rhombus — a ☐

b a parallelogram. — b ☐



A

		Answer
1	£15.00 ÷ 100 = ☐ p	p
2	1.8kg – 900g = ☐ g	g
3	47 × 7 =	
4	8^2 =	
5	$\frac{3}{10}$ of 1 hour = ☐ min	min
6	180ml × 100 = ☐ l	l
7	6.30 p.m. to midnight = ☐ h	h
8	Five 5ps + ☐ 10ps = £3.65	10ps
9	0.35 × 6 =	
10	0.3 + 0.07 + 3.5 =	
11	3.05m – 0.5m = ☐ cm	cm
12	£4 – ☐ p = £3.11	p

B

		Answer
1	Complete this sequence. 950, 975, ☐, ☐, 1050	
2	Multiply 2.5 by 6.	
3	How many times can $\frac{1}{12}$ be taken from a whole one?	
4	Multiply XII by VIII and give the answer using Roman numerals.	
5	How many centimetres in $\frac{1}{10}$ of 6.2m?	cm
6	Divide 2 by 5. Write the answer as a decimal fraction.	
7	Find the total distance in kilometres of 350m, 900m and $\frac{3}{4}$km.	km
8	What fraction of £3 is 30p?	
9	Reduce £6 by £1.73.	£
10	Find the cost of 2l, if 200ml cost 8p.	p
11	Write the fraction that lies midway between $\frac{3}{8}$ and $\frac{5}{8}$ in its lowest terms.	
12	The temperature dropped from 4°C to –6°C. By how many degrees did it fall?	

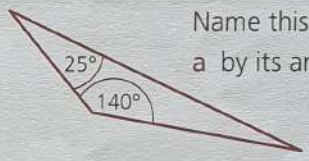
C

		Answer
1	How many 75ml bottles can be filled from $7\frac{1}{2}$l?	
2	Find the length of a line 10 times the length of the line ST	
	a in centimetres	a cm
	b in metres.	b m

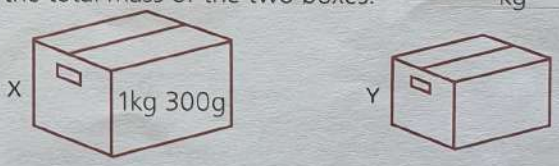
3	Write the next fraction in this sequence. $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, ☐	
4	Use this part of a calendar to find	
	a the date of the 3rd Monday in March	a
	b the day of the week upon which 1 April falls.	b

March					
Mon		7	14	21	28
Tues	1	8	15	22	29

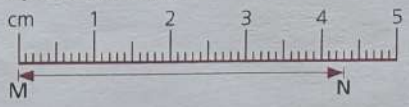
5	Biscuits cost 9p for two. Find the cost of 18.	p
6	Name this triangle	
	a by its angles	a
	b by its sides.	b



7	Find the perimeter of a rectangle 6m long and $3\frac{1}{2}$m wide.	m
8	The mass of box Y is half the mass of box X. Find in kilograms and grams the total mass of the two boxes.	kg g



9	Chloe and Jack shared £5 so that Jack had 50p less than Chloe. How much did Jack have?	£
10	The line MN is drawn to a scale of 1cm to 1m. Write in metres and centimetres the length represented by the line MN.	m cm



11	Of the money Hanna receives each week she spends $\frac{3}{5}$ and saves the remainder, which is 20p. How much money altogether does she receive each week?	p
12	A pack of 20 pins costs 40p. Find the cost of	
	a one pin	a p
	b 10 packs of pins.	b £

Schofield & Sims

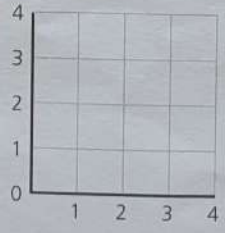
A

		Answer
1	9000 + ☐ + 7 + 70 = 9777	
2	3.01 × 100 =	
3	4.05 ÷ 9 =	
4	(7 × 7) = 100 − ☐	
5	(0.1 of £1) + (0.01 of £1) = ☐p	p
6	9^2 =	
7	$1\frac{1}{3} + \frac{5}{6}$ =	
8	36p + 45p + 19p = £☐	£
9	$\frac{7}{8}$ of 72 =	
10	1.1km − 640m = ☐m	m
11	50min + 28min + ☐min = 2h	min
12	£19 ÷ 5 =	£

B

		Answer
1	Subtract 0.01 from 0.1.	
2	How many thousands equal fifty hundreds?	thousands
3	Find how many	
	a centimetres	a cm
	b millimetres there are in 0.7m.	b mm
4	$\frac{1}{2}$kg costs 20p. Find the cost of	
	a 100g	a p
	b 800g.	b p
5	By how much is 99p less than twenty-four 5ps?	p
6	Multiply £5.09 by 7 and write the answer to the nearest £.	£
7	Write as a decimal fraction.	
	a $\frac{1}{5}$	a
	b $\frac{1}{50}$	b
8	Find the difference between (4.0 + 6.0) and (0.4 + 0.6).	
9	Change 1050p to £s.	£
10	Add 6^2 and 4^2.	
11	Name	
	a the sixth month	a
	b the ninth month of the year.	b
12	How many pence are twenty-four 2ps more than nine 5ps?	p

C

		Answer
1	Add 8.3 to 5.19 and write the answer to the nearest whole number.	
2	 Bottle X holds twice as much as bottle Y. Write the amount bottle X holds in litres and millilitres.	l ml
3	Which two of these fractions when added together equal	
	a a whole one	a
	b one-tenth?	b
	0.49 0.01 0.25 0.09 0.75	
4	Find the difference between a half of 18 and one-sixth of 30.	
5	100 bags of popcorn each having a mass of 55g are packed in a box. The box has a mass of 500g. Find the total mass of the full box.	kg
6	What temperature is 12 degrees colder than 5°C?	
7	 The mass of a bag of potatoes is shown on the dial. Find their cost at 30p per kilogram.	£
8	Will scored 51 goals across three football matches. He scored 19 and 16 goals in his first two matches. How many goals did he score in his third match?	
9	Monday 150km Tuesday 150km Wednesday 100km Thursday 100km Friday 100km A taxi driver travelled these distances in five days.	
	What was the total distance travelled?	km
10	 A square has vertices at (3, 0), (4, 3), (1, 4) and (x, y). What are the values of x and y?	(,)
11	Find the total number of days in the last six months of the year.	
12	$\frac{28}{7} = \frac{36}{x}$ Find the value of x.	

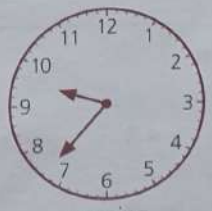
A

		Answer
1	£1.45 + 86p = £ ☐	£
2	$\frac{7}{8}$ + ☐ = $1\frac{1}{2}$	
3	40.5 ÷ 10 =	
4	$2\overline{)\text{£}\ x}$ $\quad$ £ 1 . 9 3 — Find the value of x.	£
5	☐ cm × 10 = 1.40m	cm
6	£3 − £☐ = £0.72	£
7	117min = ☐ h ☐ min	h min
8	0.4kg − ☐ g = 130g	g
9	45 ÷ 9 = 40 ÷ ☐	
10	350ml × 8 = ☐ l	l
11	999 × 3 =	
12	15km − 10.5km = ☐ m	m

B

		Answer
1	Write as a decimal: 403 hundredths.	
2	What fraction of 1 hour is 12 minutes?	
3	How many 20ps are equal in value to £0.8?	
4	Find the difference between ($\frac{4}{7}$ + $\frac{3}{7}$) and 7.	
5	Divide the sum of £3.50 and 75p by 5.	p
6	Write 10l 250ml to	
	a the nearest litre	a l
	b the nearest $\frac{1}{2}$ litre.	b l
7	Write each of these as an equivalent fraction with the denominator 5.	
	a $\frac{15}{25}$	a
	b $\frac{60}{100}$	b
8	What must be added to three 10ps and six 5ps to make 90p?	p
9	Subtract the shortest measurement from the longest.	
	0.24m $\quad$ $\frac{1}{4}$m $\quad$ 1.0m $\quad$ 120cm	cm
10	What number is the Roman numeral C?	
11	Eight cricket bats each measure 65cm. Find their total length in metres.	m
12	600ml cost 42p. Find the cost of 1l.	p

C

		Answer
1	How many cereal packets, each containing 250g, can be made from 10kg of cereal?	
2	*x* *y* 34.94 Find the difference between the 4 marked *x* and the 4 marked *y*.	
3	 Each square represents 1 square centimetre.	
	a Find the area of the rectangle in cm².	a cm²
	b Find its perimeter in centimetres.	b cm
4	How many ice creams, each costing 60p, can be bought for £4.80?	
5	Find the total value of the coins.	£
		
6	Which shape is	
	a a rhombus	a
	b a kite	b
	c a trapezium?	c
		
7	A car is 3350mm in length and a minibus is 3.5m long. By how many millimetres is the minibus longer than the car?	mm
8	The total length of the sides of an isosceles triangle is 840mm. The shortest side measures 240mm. Find the length of each of the other two sides.	mm
9	Ellie counts back seven from zero, then counts on four and then back six. What number does she end up on?	
10	60p is made up of an equal number of 5ps and 10ps. How many 5ps are there?	5ps
11	The widest point across a 10p coin measures 24.5mm. 10 coins are placed side by side in a straight line. Find the length of the line in centimetres.	cm
12	 morning — Write the time that is $4\frac{1}{2}$ hours after the time on the clock, using the 24-hour format.	

CHECK-UP TEST | Number

A Write in digits.

nine hundred and sixty ____
four hundred and eight ____
eight thousand and seventy ____

four thousand and six ____
ten point one ____
three point zero five ____

one point one nine ____
twenty point zero two ____

B

3000 + 500 + ■ + 9 = 3569
6000 + ■ + 80 + 1 = 6881
3 + 40 + 9000 = ■
(1000 × 4) + (100 × 9) + (10 × 3) = ■

7.0 + 0.5 + 0.01 =
10.0 + 0.4 =
6.0 + 0.02 =
20.0 + 0.08 =

C

456 = ■ tens + 6 units ____ tens
903 = ■ tens + 3 units ____ tens
1875 = ■ tens + 5 units ____ tens
5102 = ■ hundreds + 2 units ____ hundreds
9040 = ■ hundreds + 4 tens ____ hundreds

Write as a decimal.

one-tenth ____ $\frac{9}{10}$
one-hundredth ____ $\frac{18}{100}$
101 tenths ____ $\frac{95}{100}$
105 hundredths ____ $\frac{20}{100}$

D Write the value of the digit underlined.

4<u>6</u>7 ____
<u>8</u>479 ____
3<u>2</u>.5 ____

3<u>7</u>51 ____
200<u>8</u> ____
1<u>6</u>0.2 ____

32.<u>1</u>4 ____
10.9<u>5</u> ____
0.<u>5</u>6 ____

865.<u>8</u> ____
40.0<u>6</u> ____
20.0<u>2</u> ____

E How many times smaller is

5 than 50 ____
7 than 700 ____
270 than 2700 ____

96 than 960 ____
23 than 2300 ____
54 than 5400 ____

0.6 than 6.0 ____
0.1 than 10.0 ____
0.08 than 8.0 ____

0.3 than 30 ____
0.07 than 0.7 ____
0.25 than 25? ____

F How many times larger is

390 than 39 ____
4500 than 45 ____
3100 than 31 ____

400 than 40 ____
9000 than 90 ____
6140 than 614 ____

8.0 than 0.8 ____
16.0 than 1.6 ____
9.0 than 0.09 ____

50 than 0.5 ____
0.4 than 0.04 ____
17 than 0.17? ____

G

7 + 8 = ____	17 + 7 = ____	11 − 6 = ____	26 − 9 = ____
6 + 5 = ____	8 + 25 = ____	13 − 8 = ____	22 − 6 = ____
9 + 9 = ____	59 + 6 = ____	15 − 9 = ____	43 − 5 = ____
4 + 7 = ____	5 + 76 = ____	11 − 8 = ____	61 − 4 = ____
8 + 3 = ____	46 + 8 = ____	14 − 7 = ____	85 − 7 = ____
9 + 7 = ____	7 + 89 = ____	12 − 3 = ____	93 − 9 = ____
7 + 5 = ____	38 + 7 = ____	17 − 8 = ____	32 − 8 = ____
5 + 9 = ____	4 + 59 = ____	14 − 9 = ____	54 − 6 = ____
4 + 8 = ____	69 + 5 = ____	12 − 7 = ____	72 − 5 = ____
9 + 4 = ____	8 + 34 = ____	14 − 8 = ____	41 − 3 = ____
8 + 9 = ____	77 + 6 = ____	13 − 6 = ____	82 − 9 = ____
6 + 6 = ____	9 + 68 = ____	11 − 7 = ____	95 − 6 = ____
3 + 8 = ____	43 + 9 = ____	13 − 4 = ____	67 − 9 = ____
8 + 6 = ____	6 + 87 = ____	16 − 7 = ____	56 − 8 = ____

H Find the value of each missing number.

■ − 9 = 3 ____
8 + ■ = 15 ____
■ − 7 = 4 ____
■ + 2 = 11 ____

14 − ■ = 5 ____
■ − 5 = 8 ____
9 + ■ = 15 ____
■ − 8 = 8 ____

■ + 7 = 13 ____
12 − ■ = 4 ____
9 + ■ = 18 ____
■ − 5 = 7 ____

8 + ■ = 14 ____
■ − 7 = 9 ____
■ + 9 = 17 ____

CHECK-UP TEST | Number

A

$7 \times 7 =$	$(6 \times 9) + 8 =$	$36 \div 9 =$	$30 \div 8 =$ r
$8 \times 6 =$	$(4 \times 8) + 7 =$	$49 \div 7 =$	$16 \div 9 =$ r
$3 \times 7 =$	$(5 \times 7) + 6 =$	$30 \div 5 =$	$20 \div 3 =$ r
$5 \times 9 =$	$(6 \times 3) + 2 =$	$72 \div 8 =$	$54 \div 8 =$ r
$7 \times 8 =$	$(1 \times 9) + 5 =$	$24 \div 6 =$	$80 \div 9 =$ r
$6 \times 6 =$	$(2 \times 7) + 6 =$	$0 \div 4 =$	$63 \div 8 =$ r
$4 \times 5 =$	$(3 \times 9) + 6 =$	$27 \div 9 =$	$20 \div 7 =$ r
$9 \times 2 =$	$(7 \times 7) + 4 =$	$42 \div 6 =$	$53 \div 9 =$ r
$0 \times 3 =$	$(5 \times 6) + 3 =$	$64 \div 8 =$	$21 \div 8 =$ r
$9 \times 9 =$	$(6 \times 8) + 5 =$	$40 \div 5 =$	$3 \div 5 =$ r
$8 \times 5 =$	$(0 \times 5) + 3 =$	$18 \div 9 =$	$40 \div 7 =$ r
$6 \times 7 =$	$(8 \times 8) + 7 =$	$56 \div 7 =$	$19 \div 5 =$ r
$3 \times 8 =$	$(4 \times 9) + 5 =$	$28 \div 4 =$	$69 \div 9 =$ r
$9 \times 4 =$	$(8 \times 7) + 4 =$	$32 \div 8 =$	$48 \div 7 =$ r
$4 \times 6 =$	$(9 \times 6) + 5 =$	$81 \div 9 =$	$16 \div 6 =$ r
$7 \times 9 =$	$(2 \times 8) + 6 =$	$36 \div 6 =$	$45 \div 8 =$ r
$4 \times 3 =$	$(4 \times 7) + 4 =$	$35 \div 5 =$	$57 \div 6 =$ r
$9 \times 8 =$	$(8 \times 9) + 8 =$	$54 \div 9 =$	$31 \div 8 =$ r
$7 \times 4 =$	$(7 \times 6) + 4 =$	$48 \div 6 =$	$61 \div 7 =$ r
$3 \times 5 =$	$(3 \times 6) + 4 =$	$63 \div 7 =$	$62 \div 9 =$ r

B Find the value of each missing number.

$5 \times \square = 40$	$9 \times \square = 63$	$\square \times 4 = 32$	$16 \div \square = 4$
$\square \div 6 = 5$	$\square \div 8 = 9$	$21 \div \square = 3$	$\square \times 8 = 64$
$\square \times 7 = 42$	$5 \times \square = 45$	$36 \div \square = 9$	$\square \div 4 = 7$
$27 \div \square = 9$	$\square \div 9 = 9$	$4 \times \square = 24$	

C

$\frac{1}{2}$ of 18	$\frac{1}{4}$ of 28	$\frac{3}{4}$ of 20	$\frac{2}{5}$ of 45
$\frac{1}{3}$ of 21	$\frac{1}{5}$ of 40	$\frac{5}{6}$ of 54	$\frac{4}{7}$ of 35
$\frac{1}{6}$ of 36	$\frac{1}{8}$ of 32	$\frac{7}{8}$ of 48	$\frac{7}{9}$ of 63
$\frac{1}{9}$ of 45	$\frac{1}{10}$ of 100	$\frac{3}{10}$ of 70	$\frac{9}{10}$ of 80

D Find the whole number when

$\frac{1}{3}$ is 8	$\frac{1}{5}$ is 6	$\frac{5}{6}$ is 30	$\frac{4}{5}$ is 16
$\frac{1}{6}$ is 7	$\frac{1}{8}$ is 9	$\frac{7}{8}$ is 21	$\frac{2}{7}$ is 12
$\frac{1}{9}$ is 4	$\frac{1}{10}$ is 12	$\frac{4}{9}$ is 36	$\frac{7}{10}$ is 49.

E

$11 \times 10 =$	$130 \div 10 =$	$1.3 \times 10 =$	$4.0 \div 10 =$
$100 \times 10 =$	$800 \div 10 =$	$0.96 \times 10 =$	$66.0 \div 10 =$
$145 \times 10 =$	$4620 \div 10 =$	$0.02 \times 10 =$	$0.3 \div 10 =$
$15 \times 100 =$	$1900 \div 100 =$	$10.8 \times 100 =$	$7.0 \div 100 =$
$120 \times 100 =$	$6500 \div 100 =$	$0.05 \times 100 =$	$19.0 \div 100 =$
$104 \times 100 =$	$10000 \div 100 =$	$1.13 \times 100 =$	$403.0 \div 100 =$

F Find the missing numerator or denominator.

$\frac{2}{5} = \frac{\square}{10}$	$\frac{3}{4} = \frac{9}{\square}$	$\frac{1}{5} = \frac{\square}{20}$	$\frac{1}{10} = \frac{\square}{100}$	$\frac{50}{100} = \frac{1}{\square}$
$\frac{2}{3} = \frac{\square}{12}$	$\frac{5}{6} = \frac{10}{\square}$	$\frac{3}{5} = \frac{\square}{60}$	$\frac{3}{10} = \frac{\square}{100}$	$\frac{75}{100} = \frac{3}{\square}$
$\frac{5}{8} = \frac{\square}{16}$	$\frac{7}{20} = \frac{35}{\square}$	$\frac{1}{25} = \frac{\square}{4}$	$\frac{7}{10} = \frac{\square}{100}$	$\frac{20}{100} = \frac{1}{\square}$

CHECK-UP TEST | Measurement

A Write in each box the coins which make up the given amount. Use the least possible number of coins.

32p ____ 54p ____ 65p ____

80p ____ 67p ____ 18p ____

26p ____ 71p ____ 59p ____

B Find the change from each amount.

Amount	Spent	Change
50p	24p	p
50p	35p	p
50p	12p	p
50p	37p	p
50p	28p	p
50p	19p	p
50p	23p	p
50p	16p	p

Amount	Spent	Change
90p	81p	p
60p	52p	p
30p	23p	p
45p	41p	p
£1	24p	p
£1	37p	p
£2	£1.69	p
£2	£1.06	p

Amount	Spent	Change
£3	£2.13	£
£4	£1.25	£
£4	£2.48	£
£5	£3.09	£
£5	£2.46	£
£5	£1.67	£
£5	£2.11	£
£5	£0.88	£

C

10 5ps =	2ps	£7.50 =	50ps	£2.55 =	20ps, 3 5ps
6 5ps =	2ps	£10.00 =	50ps	£1.72 =	20ps, 6 2ps
14 5ps =	10ps	£3.80 =	20ps	£2.78 =	20ps, 9 2ps
100 5ps =	10ps	£10.00 =	20ps	£4.30 =	10ps, 1 50p
12 5ps =	20ps	£5.00 =	10ps	£3.80 =	50ps, 3 10ps
50 10ps =	20ps	£7.50 =	10ps	£4.25 =	50ps, 5 5ps
45 10ps =	50ps	£5.00 =	5ps	£2.90 =	50ps, 4 10ps
65 10ps =	50ps	£2.20 =	5ps	£1.64 =	50ps, 7 2ps

D

24p + 36p + 50p =	£	£1.35 – 60p =	£	£2.24 + £3.09 =	£
39p + 41p + 22p =	£	£2.70 – 85p =	£	£4.75 – £2.80 =	£
25p + 75p + 9p =	£	£4.60 – 99p =	£	£1.62 + £1.38 =	£
63p + 28p + 12p =	£	£2.29 – £0.74 =	£	£1.50 – £0.77 =	£
82p + 63p + 15p =	£	£3.20 – £2.93 =	£	£3.87 + £0.45 =	£

E Find the cost of

5kg at 25p per kg	£	$1\frac{1}{2}$l at 28p per l	£	5m at £1.18 per m	£
$3\frac{1}{2}$kg at 30p per kg	£	3l at 55p per l	£	75cm at £1 per m	£
$4\frac{1}{2}$kg at 20p per $\frac{1}{2}$kg	£	$2\frac{1}{2}$l at 22p per l	£	$4\frac{1}{2}$m at 50p per m	£
2kg at 50p per 200g	£	$\frac{1}{2}$l at 60p per 100ml	£	$1\frac{1}{4}$m at 20p per $\frac{1}{2}$m	£
$6\frac{1}{2}$kg at 60p per kg	£	750ml at 26p per $\frac{1}{2}$l	£	2m at 30p per 20cm.	£

F Write the times shown on these clocks

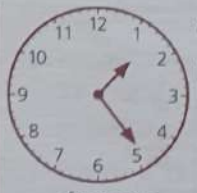
a using the 12-hour clock format, using a.m. or p.m.

b using the 24-hour clock format.

a ____

b ____

morning



a ____

b ____

afternoon

a ____

b ____

morning

a ____

b ____

evening

CHECK-UP TEST | Measurement and geometry

A

1cm =	___ mm	0.01m =	___ cm	0.25m =	___ mm	$\frac{1}{4}$m =	___ cm
0.1cm =	___ mm	0.25m =	___ cm	0.75m =	___ mm	$\frac{1}{2}$m =	___ cm
1m =	___ cm	0.75m =	___ cm	1km =	___ m	$\frac{3}{4}$m =	___ cm
0.1m =	___ cm	1m =	___ mm	0.5km =	___ m	$\frac{1}{2}$m =	___ mm
0.8m =	___ cm	0.5m =	___ mm	0.75km =	___ m	$\frac{3}{4}$m =	___ mm

B

184mm =	___ cm	___ mm	390mm =	___ cm		3258m =	___ km	___ m
307mm =	___ cm	___ mm	412mm =	___ cm		5106m =	___ km	___ m
465cm =	___ m	___ cm	800cm =	___ m		8200m =	___ km	
1000cm =	___ m	___ cm	330cm =	___ m		6500m =	___ km	
340cm =	___ m	___ cm	785cm =	___ m		7750m =	___ km	

C

3000g =	___ kg		5000ml =	___ l		$\frac{1}{2}$kg =	___ g
5280g =	___ kg	___ g	2884ml =	___ l	___ ml	$\frac{1}{4}$kg =	___ g
8090g =	___ kg	___ g	6160ml =	___ l	___ ml	$\frac{3}{4}$kg =	___ g
4400g =	___ kg		7300ml =	___ l		$\frac{1}{2}$l =	___ ml
7250g =	___ kg		900ml =	___ l		$\frac{3}{4}$l =	___ ml

D

240g + ___ g	= $\frac{1}{2}$kg		$\frac{1}{2}$l + ___ ml	= 592ml		820g – 0.7kg =	___ g
370g + ___ g	= $\frac{1}{2}$kg		$\frac{1}{2}$l + ___ ml	= 634ml		925ml – 0.8l =	___ ml
406g + ___ g	= $\frac{1}{2}$kg		$\frac{1}{2}$l + ___ ml	= 827ml		0.6kg + 60g =	___ g
215g + ___ g	= $\frac{1}{4}$kg		$\frac{1}{4}$l + ___ ml	= 310ml		0.25l + 120ml =	___ ml
198g + ___ g	= $\frac{1}{4}$kg		$\frac{1}{4}$l + ___ ml	= 425ml		0.75kg + 240g =	___ g

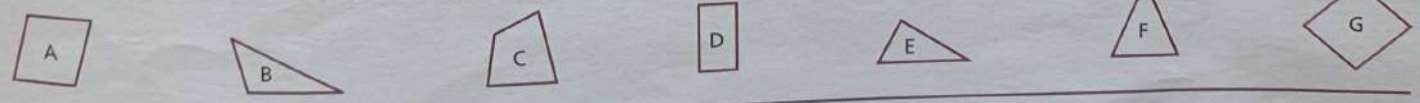
E Work across the page. Write to the

nearest whole number	$19\frac{3}{4}$		$10\frac{1}{3}$			14.4			11.5		
nearest hundred	308		953			1326			2950		
nearest £1	£17.09	£ ___	£4.83	£ ___		£32.50	£ ___		£129.28	£ ___	
nearest cm	7cm 2mm	___ cm	109mm	___ cm		39.6cm	___ cm				
nearest m	8m 51cm	___ m	730cm	___ m		15.3m	___ m				
nearest km	$12\frac{1}{4}$km	___ km	18km 900m	___ km		78.5km	___ km				
nearest kg	4kg 300g	___ kg	9kg 550g	___ kg		99.25kg	___ kg				
nearest $\frac{1}{2}$kg	6kg 200g	___ kg	12kg 380g	___ kg		5kg 600g	___ kg				
nearest l	5l 400ml	___ l	9l 600ml	___ l		3.7l	___ l				

F Write the letter of the shape that is

a right-angled triangle ___ a rhombus ___ an obtuse-angled triangle ___

a rectangle ___ a parallelogram ___ an isosceles triangle ___



G Each square represents 1cm². Write the area and perimeter of each rectangle. Give the units.

SECTION 3 | Test 9

A

		Answer
1	$\frac{1}{2}$m = a ☐ cm	a 50cm
	b ☐ mm	b 500mm
2	21 thirds = ☐ whole ones	7
3	50p − ☐p = 21p	29p
4	£8 ÷ 10 = ☐p	80p
5	Find 0.1 of 10cm.	1cm
6	408 ÷ ☐ = 6	68
7	☐ − 99.25 = 0.75	100
8	7^2 =	49
9	(8p × 8) + (4p × 9) =	£1.00
10	£0.78 + £0.46 =	£1.24
11	2.7km − 1900m = ☐ m	800m
12	0.4m − 0.04m = ☐ cm	36cm

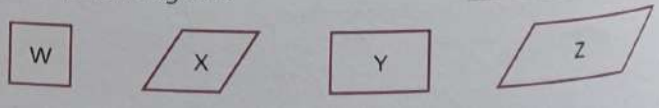
B

		Answer
1	How many pence have the same value as	
	a £0.1	a 10p
	b £0.9?	b 90p
2	Find in millilitres $\frac{1}{2}$ of 15l.	7500ml
3	Two angles together make a right angle. One angle is 55°. How large is the other angle?	35°
4	Divide the sum of the digits from 1 to 6 inclusive by 3.	7
5	Write the time 35 minutes before 18:10 using the 24-hour clock format.	17:35
6	Subtract $1\frac{3}{8}$ from 6.	$4\frac{5}{8}$
7	Find the difference in grams between $\frac{1}{2}$kg and $\frac{3}{10}$kg.	200g
8	How many balloons costing 6p each can be bought for 84p?	14
9	$\frac{1}{4}$l costs 8p. Find the cost of $2\frac{1}{2}$l.	80p
10	Change each of these fractions to hundredths.	
	a $\frac{1}{20}$	a $\frac{5}{100}$
	b $\frac{7}{20}$	b $\frac{35}{100}$
11	Write the missing numbers in this sequence.	
	2, 4, 8, ☐, ☐, 64	16 32
12	$\frac{5}{6}$ of a sum of money is £35. Find the whole amount.	£42

C

		Answer
1	Find the difference in grams between the largest and the smallest of these masses.	
	300g 0.4kg $\frac{1}{2}$kg 1.1kg	800g
2	Find the total value of these coins.	£2.05

3	 evening This clock is 7 minutes slow. How many minutes is it from the correct time to midnight?	31min
4	 Which of the lines are perpendicular to the line XY?	K, M
5	5m of carpet costs £3.00. Find the cost of	
	a 1m	a 60p
	b 20cm.	b 12p
6	Through how many right angles does the hour hand of a clock turn in 24 hours?	8
7	 Each square represents 1 square centimetre.	
	a Count the squares to find the area of the rectangle.	a $12cm^2$
	b Find its perimeter in centimetres.	b 16cm
8	What number is 9 less than 4?	−5
9	A 20m piece of wood is cut into 100 equal pieces. Find the length in centimetres of one piece.	20cm
10	In a sale, shoes were reduced by 12p per £1. How much was paid for the shoes, which cost £10 before the sale?	£8.80
11	In a library there were 158 non-fiction books and 132 fiction books. How many short of 350 books was the total?	60
12	Write the letter of the shape that is	
	a a rhombus	a X
	b a parallelogram.	b Z



SECTION 3 | Test 10

A

		Answer
1	£15.00 ÷ 100 = ☐p	15p
2	1.8kg − 900g = ☐g	900g
3	47 × 7 =	329
4	8^2 =	64
5	$\frac{3}{10}$ of 1 hour = ☐min	18min
6	180ml × 100 = ☐l	18l
7	6.30 p.m. to midnight = ☐h	$5\frac{1}{2}$h
8	Five 5ps + ☐ 10ps = £3.65	34 10ps
9	0.35 × 6 =	2.10
10	0.3 + 0.07 + 3.5 =	3.87
11	3.05m − 0.5m = ☐cm	255cm
12	£4 − ☐p = £3.11	89p

B

		Answer
1	Complete this sequence. 950, 975, ☐, ☐, 1050	1000 1025
2	Multiply 2.5 by 6.	15.0
3	How many times can $\frac{1}{12}$ be taken from a whole one?	12
4	Multiply XII by VIII and give the answer using Roman numerals.	XCVI
5	How many centimetres in $\frac{1}{10}$ of 6.2m?	62cm
6	Divide 2 by 5. Write the answer as a decimal fraction.	0.4
7	Find the total distance in kilometres of 350m, 900m and $\frac{3}{4}$km.	2km
8	What fraction of £3 is 30p?	$\frac{1}{10}$
9	Reduce £6 by £1.73.	£4.27
10	Find the cost of 2l, if 200ml cost 8p.	80p
11	Write the fraction that lies midway between $\frac{3}{8}$ and $\frac{5}{8}$ in its lowest terms.	$\frac{1}{2}$
12	The temperature dropped from 4°C to −6°C. By how many degrees did it fall?	10°C

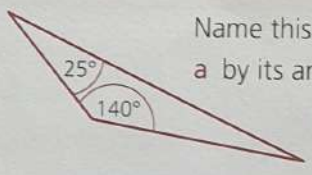
C

		Answer
1	How many 75ml bottles can be filled from $7\frac{1}{2}$l?	100
2	Find the length of a line 10 times the length of the line ST	
	a in centimetres	a 55cm
	b in metres.	b 0.55m

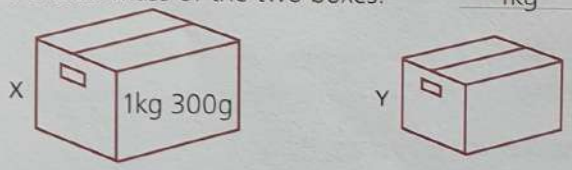
3	Write the next fraction in this sequence. $\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2},$ ☐	$\frac{5}{8}$
4	Use this part of a calendar to find	

March					
Mon		7	14	21	28
Tues	1	8	15	22	29

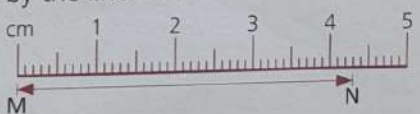
	a the date of the 3rd Monday in March	a 21st
	b the day of the week upon which 1 April falls.	b Friday
5	Biscuits cost 9p for two. Find the cost of 18.	81p
6	Name this triangle	
	a by its angles	a obtuse
	b by its sides.	b scalene



7	Find the perimeter of a rectangle 6m long and $3\frac{1}{2}$m wide.	19m
8	The mass of box Y is half the mass of box X. Find in kilograms and grams the total mass of the two boxes.	1kg 950g



9	Chloe and Jack shared £5 so that Jack had 50p less than Chloe. How much did Jack have?	£2.25
10	The line MN is drawn to a scale of 1cm to 1m. Write in metres and centimetres the length represented by the line MN.	4m 30cm



11	Of the money Hanna receives each week she spends $\frac{3}{5}$ and saves the remainder, which is 20p. How much money altogether does she receive each week?	50p
12	A pack of 20 pins costs 40p. Find the cost of	
	a one pin	a 2p
	b 10 packs of pins.	b £4.00

SECTION 3 | Test 11

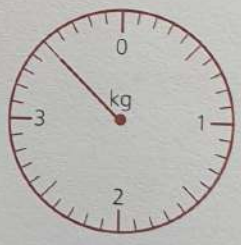
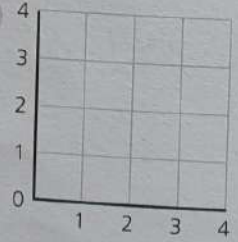
A

		Answer
1	9000 + ■ + 7 + 70 = 9777	700
2	3.01 × 100 =	301
3	4.05 ÷ 9 =	0.45
4	(7 × 7) = 100 − ■	51
5	(0.1 of £1) + (0.01 of £1) = ■p	11p
6	9^2 =	81
7	$1\frac{1}{3} + \frac{5}{6}$ =	$2\frac{1}{6}$
8	36p + 45p + 19p = £■	£1.00
9	$\frac{7}{8}$ of 72 =	63
10	1.1km − 640m = ■m	460m
11	50min + 28min + ■min = 2h	42min
12	£19 ÷ 5 =	£3.80

B

		Answer
1	Subtract 0.01 from 0.1.	0.09
2	How many thousands equal fifty hundreds?	5 thousands
3	Find how many	
	a centimetres	a 70cm
	b millimetres there are in 0.7m.	b 700mm
4	$\frac{1}{2}$kg costs 20p. Find the cost of	
	a 100g	a 4p
	b 800g.	b 32p
5	By how much is 99p less than twenty-four 5ps?	21p
6	Multiply £5.09 by 7 and write the answer to the nearest £.	£36.00
7	Write as a decimal fraction.	
	a $\frac{1}{5}$	a 0.2
	b $\frac{1}{50}$	b 0.02
8	Find the difference between (4.0 + 6.0) and (0.4 + 0.6).	9
9	Change 1050p to £s.	£10.50
10	Add 6^2 and 4^2.	52
11	Name	
	a the sixth month	a June
	b the ninth month of the year.	b September
12	How many pence are twenty-four 2ps more than nine 5ps?	3p

C

		Answer
1	Add 8.3 to 5.19 and write the answer to the nearest whole number.	13
2	 Bottle X holds twice as much as bottle Y. Write the amount bottle X holds in litres and millilitres.	3l 400ml
3	Which two of these fractions when added together equal	
	a a whole one	a 0.25 0.75
	b one-tenth?	b 0.01 0.09
	0.49 0.01 0.25 0.09 0.75	
4	Find the difference between a half of 18 and one-sixth of 30.	4
5	100 bags of popcorn each having a mass of 55g are packed in a box. The box has a mass of 500g. Find the total mass of the full box.	6kg
6	What temperature is 12 degrees colder than 5°C?	−7°C
7	 The mass of a bag of potatoes is shown on the dial. Find their cost at 30p per kilogram.	£1.05
8	Will scored 51 goals across three football matches. He scored 19 and 16 goals in his first two matches. How many goals did he score in his third match?	16
9	Monday 150km Tuesday 150km Wednesday 100km Thursday 100km Friday 100km A taxi driver travelled these distances in five days.	
	What was the total distance travelled?	600km
10	 A square has vertices at (3, 0), (4, 3), (1, 4) and (x, y). What are the values of x and y?	(0, 1)
11	Find the total number of days in the last six months of the year.	184
12	$\frac{28}{7} = \frac{36}{x}$ Find the value of x.	9

SECTION 3 | Test 12

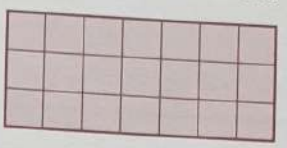
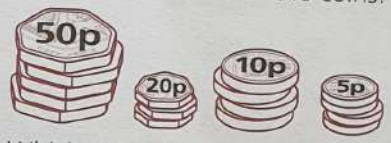
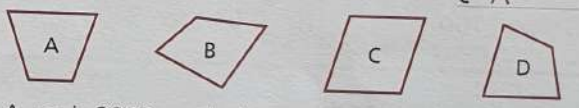
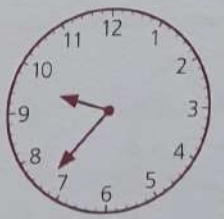
A

	Answer
1 £1.45 + 86p = £ ■	£2.31
2 $\frac{7}{8}$ + ■ = $1\frac{1}{2}$	$\frac{5}{8}$
3 40.5 ÷ 10 =	4.05
4 $2\overline{)£\ 1.9\ 3}$ / £ x — Find the value of x.	£3.86
5 ■cm × 10 = 1.40m	14cm
6 £3 – £■ = £0.72	£2.28
7 117min = ■h ■min	1h 57min
8 0.4kg – ■g = 130g	270g
9 45 ÷ 9 = 40 ÷ ■	8
10 350ml × 8 = ■l	2.8l
11 999 × 3 =	2997
12 15km – 10.5km = ■m	4500m

B

	Answer
1 Write as a decimal: 403 hundredths.	4.03
2 What fraction of 1 hour is 12 minutes?	$\frac{1}{5}$
3 How many 20ps are equal in value to £0.8?	4
4 Find the difference between ($\frac{4}{7}$ + $\frac{3}{7}$) and 7.	6
5 Divide the sum of £3.50 and 75p by 5.	85p
6 Write 10l 250ml to	
a the nearest litre	a 10l
b the nearest $\frac{1}{2}$ litre.	b $10\frac{1}{2}$l
7 Write each of these as an equivalent fraction with the denominator 5.	
a $\frac{15}{25}$	a $\frac{3}{5}$
b $\frac{60}{100}$	b $\frac{3}{5}$
8 What must be added to three 10ps and six 5ps to make 90p?	30p
9 Subtract the shortest measurement from the longest. 0.24m $\frac{1}{4}$m 1.0m 120cm	96cm
10 What number is the Roman numeral C?	100
11 Eight cricket bats each measure 65cm. Find their total length in metres.	5.2m
12 600ml cost 42p. Find the cost of 1l.	70p

C

	Answer
1 How many cereal packets, each containing 250g, can be made from 10kg of cereal?	40
2 34.94 Find the difference between the 4 marked x and the 4 marked y. (x y)	3.96
3  Each square represents 1 square centimetre.	
a Find the area of the rectangle in cm².	a 21cm²
b Find its perimeter in centimetres.	b 20cm
4 How many ice creams, each costing 60p, can be bought for £4.80?	8
5 Find the total value of the coins. 	£3.70
6 Which shape is	
a a rhombus	a C
b a kite	b D
c a trapezium?	c A
	
7 A car is 3350mm in length and a minibus is 3.5m long. By how many millimetres is the minibus longer than the car?	150mm
8 The total length of the sides of an isosceles triangle is 840mm. The shortest side measures 240mm. Find the length of each of the other two sides.	300mm
9 Ellie counts back seven from zero, then counts on four and then back six. What number does she end up on?	–9
10 60p is made up of an equal number of 5ps and 10ps. How many 5ps are there?	4 5ps
11 The widest point across a 10p coin measures 24.5mm. 10 coins are placed side by side in a straight line. Find the length of the line in centimetres.	24.5cm
12  morning — Write the time that is $4\frac{1}{2}$ hours after the time on the clock, using the 24-hour format.	14:07

CHECK-UP TEST | Number

Schofield & Sims

A Write in digits.

nine hundred and sixty	960	four thousand and six	4006	one point one nine	1.19
four hundred and eight	408	ten point one	10.1	twenty point zero two	20.02
eight thousand and seventy	8070	three point zero five	3.05		

B

3000 + 500 + ☐ + 9 = 3569	60	7.0 + 0.5 + 0.01 =	7.51
6000 + ☐ + 80 + 1 = 6881	800	10.0 + 0.4 =	10.4
3 + 40 + 9000 = ☐	9043	6.0 + 0.02 =	6.02
(1000 × 4) + (100 × 9) + (10 × 3) = ☐	4930	20.0 + 0.08 =	20.08

C

456 = ☐ tens + 6 units	45 tens	Write as a decimal.			
903 = ☐ tens + 3 units	90 tens	one-tenth	0.1	$\frac{9}{10}$	0.9
1875 = ☐ tens + 5 units	187 tens	one-hundredth	0.01	$\frac{18}{100}$	0.18
5102 = ☐ hundreds + 2 units	51 hundreds	101 tenths	10.1	$\frac{95}{100}$	0.95
9040 = ☐ hundreds + 4 tens	90 hundreds	105 hundredths	1.05	$\frac{20}{100}$	0.2

D Write the value of the digit underlined.

467	60	3751	700	32.14	$\frac{1}{10}$	865.8	$\frac{8}{10}$
8479	8000	2008	8	10.95	$\frac{5}{100}$	40.06	$\frac{6}{100}$
32.5	2	160.2	60	0.56	$\frac{5}{10}$	20.02	$\frac{2}{100}$

E How many times smaller is

5 than 50	10	96 than 960	10	0.6 than 6.0	10	0.3 than 30	100
7 than 700	100	23 than 2300	100	0.1 than 10.0	100	0.07 than 0.7	10
270 than 2700	10	54 than 5400	100	0.08 than 8.0	100	0.25 than 25?	100

F How many times larger is

390 than 39	10	400 than 40	10	8.0 than 0.8	10	50 than 0.5	100
4500 than 45	100	9000 than 90	100	16.0 than 1.6	10	0.4 than 0.04	10
3100 than 31	100	6140 than 614	10	9.0 than 0.09	100	17 than 0.17?	100

G

7 + 8 =	15	17 + 7 =	24	11 − 6 =	5	26 − 9 =	17
6 + 5 =	11	8 + 25 =	33	13 − 8 =	5	22 − 6 =	16
9 + 9 =	18	59 + 6 =	65	15 − 9 =	6	43 − 5 =	38
4 + 7 =	11	5 + 76 =	81	11 − 8 =	3	61 − 4 =	57
8 + 3 =	11	46 + 8 =	54	14 − 7 =	7	85 − 7 =	78
9 + 7 =	16	7 + 89 =	96	12 − 3 =	9	93 − 9 =	84
7 + 5 =	12	38 + 7 =	45	17 − 8 =	9	32 − 8 =	24
5 + 9 =	14	4 + 59 =	63	14 − 9 =	5	54 − 6 =	48
4 + 8 =	12	69 + 5 =	74	12 − 7 =	5	72 − 5 =	67
9 + 4 =	13	8 + 34 =	42	14 − 8 =	6	41 − 3 =	38
8 + 9 =	17	77 + 6 =	83	13 − 6 =	7	82 − 9 =	73
6 + 6 =	12	9 + 68 =	77	11 − 7 =	4	95 − 6 =	89
3 + 8 =	11	43 + 9 =	52	13 − 4 =	9	67 − 9 =	58
8 + 6 =	14	6 + 87 =	93	16 − 7 =	9	56 − 8 =	48

H Find the value of each missing number.

☐ − 9 = 3	12	14 − ☐ = 5	9	☐ + 7 = 13	6	8 + ☐ = 14	6
8 + ☐ = 15	7	☐ − 5 = 8	13	12 − ☐ = 4	8	☐ − 7 = 9	16
☐ − 7 = 4	11	9 + ☐ = 15	6	9 + ☐ = 18	9	☐ + 9 = 17	8
☐ + 2 = 11	9	☐ − 8 = 8	16	☐ − 5 = 7	12		

CHECK-UP TEST | Number

A

$7 \times 7 =$	49	$(6 \times 9) + 8 =$	62	$36 \div 9 =$	4	$30 \div 8 =$	3 r 6
$8 \times 6 =$	48	$(4 \times 8) + 7 =$	39	$49 \div 7 =$	7	$16 \div 9 =$	1 r 7
$3 \times 7 =$	21	$(5 \times 7) + 6 =$	41	$30 \div 5 =$	6	$20 \div 3 =$	6 r 2
$5 \times 9 =$	45	$(6 \times 3) + 2 =$	20	$72 \div 8 =$	9	$54 \div 8 =$	6 r 6
$7 \times 8 =$	56	$(1 \times 9) + 5 =$	14	$24 \div 6 =$	4	$80 \div 9 =$	8 r 8
$6 \times 6 =$	36	$(2 \times 7) + 6 =$	20	$0 \div 4 =$	0	$63 \div 8 =$	7 r 7
$4 \times 5 =$	20	$(3 \times 9) + 6 =$	33	$27 \div 9 =$	3	$20 \div 7 =$	2 r 6
$9 \times 2 =$	18	$(7 \times 7) + 4 =$	53	$42 \div 6 =$	7	$53 \div 9 =$	5 r 8
$0 \times 3 =$	0	$(5 \times 6) + 3 =$	33	$64 \div 8 =$	8	$21 \div 8 =$	2 r 5
$9 \times 9 =$	81	$(6 \times 8) + 5 =$	53	$40 \div 5 =$	8	$3 \div 5 =$	0 r 3
$8 \times 5 =$	40	$(0 \times 5) + 3 =$	3	$18 \div 9 =$	2	$40 \div 7 =$	5 r 5
$6 \times 7 =$	42	$(8 \times 8) + 7 =$	71	$56 \div 7 =$	8	$19 \div 5 =$	3 r 4
$3 \times 8 =$	24	$(4 \times 9) + 5 =$	41	$28 \div 4 =$	7	$69 \div 9 =$	7 r 6
$9 \times 4 =$	36	$(8 \times 7) + 4 =$	60	$32 \div 8 =$	4	$48 \div 7 =$	6 r 6
$4 \times 6 =$	24	$(9 \times 6) + 5 =$	59	$81 \div 9 =$	9	$16 \div 6 =$	2 r 4
$7 \times 9 =$	63	$(2 \times 8) + 6 =$	22	$36 \div 6 =$	6	$45 \div 8 =$	5 r 5
$4 \times 3 =$	12	$(4 \times 7) + 4 =$	32	$35 \div 5 =$	7	$57 \div 6 =$	9 r 3
$9 \times 8 =$	72	$(8 \times 9) + 8 =$	80	$54 \div 9 =$	6	$31 \div 8 =$	3 r 7
$7 \times 4 =$	28	$(7 \times 6) + 4 =$	46	$48 \div 6 =$	8	$61 \div 7 =$	8 r 5
$3 \times 5 =$	15	$(3 \times 6) + 4 =$	22	$63 \div 7 =$	9	$62 \div 9 =$	6 r 8

B Find the value of each missing number.

$5 \times \square = 40$	8	$9 \times \square = 63$	7	$\square \times 4 = 32$	8	$16 \div \square = 4$	4
$\square \div 6 = 5$	30	$\square \div 8 = 9$	72	$21 \div \square = 3$	7	$\square \times 8 = 64$	8
$\square \times 7 = 42$	6	$5 \times \square = 45$	9	$36 \div \square = 9$	4	$\square \div 4 = 7$	28
$27 \div \square = 9$	3	$\square \div 9 = 9$	81	$4 \times \square = 24$	6		

C

$\frac{1}{2}$ of 18	9	$\frac{1}{4}$ of 28	7	$\frac{3}{4}$ of 20	15	$\frac{2}{5}$ of 45	18
$\frac{1}{3}$ of 21	7	$\frac{1}{5}$ of 40	8	$\frac{5}{6}$ of 54	45	$\frac{4}{7}$ of 35	20
$\frac{1}{6}$ of 36	6	$\frac{1}{8}$ of 32	4	$\frac{7}{8}$ of 48	42	$\frac{7}{9}$ of 63	49
$\frac{1}{9}$ of 45	5	$\frac{1}{10}$ of 100	10	$\frac{3}{10}$ of 70	21	$\frac{9}{10}$ of 80	72

D Find the whole number when

$\frac{1}{3}$ is 8	24	$\frac{1}{5}$ is 6	30	$\frac{5}{6}$ is 30	36	$\frac{4}{5}$ is 16	20
$\frac{1}{6}$ is 7	42	$\frac{1}{8}$ is 9	72	$\frac{7}{8}$ is 21	24	$\frac{2}{7}$ is 12	42
$\frac{1}{9}$ is 4	36	$\frac{1}{10}$ is 12	120	$\frac{4}{9}$ is 36	81	$\frac{7}{10}$ is 49.	70

E

$11 \times 10 =$	110	$130 \div 10 =$	13	$1.3 \times 10 =$	13	$4.0 \div 10 =$	0.4
$100 \times 10 =$	1000	$800 \div 10 =$	80	$0.96 \times 10 =$	9.6	$66.0 \div 10 =$	6.6
$145 \times 10 =$	1450	$4620 \div 10 =$	462	$0.02 \times 10 =$	0.2	$0.3 \div 10 =$	0.03
$15 \times 100 =$	1500	$1900 \div 100 =$	19	$10.8 \times 100 =$	1080	$7.0 \div 100 =$	0.07
$120 \times 100 =$	12 000	$6500 \div 100 =$	65	$0.05 \times 100 =$	5	$19.0 \div 100 =$	0.19
$104 \times 100 =$	10 400	$10\,000 \div 100 =$	100	$1.13 \times 100 =$	113	$403.0 \div 100 =$	4.03

F Find the missing numerator or denominator.

$\frac{2}{5} =$	$\frac{4}{10}$	$\frac{3}{4} =$	$\frac{9}{12}$	$\frac{1}{5} =$	$\frac{20}{100}$	$\frac{1}{10} =$	$\frac{10}{100}$	$\frac{50}{100} =$	$\frac{1}{2}$
$\frac{2}{3} =$	$\frac{8}{12}$	$\frac{5}{6} =$	$\frac{10}{12}$	$\frac{3}{5} =$	$\frac{60}{100}$	$\frac{3}{10} =$	$\frac{30}{100}$	$\frac{75}{100} =$	$\frac{3}{4}$
$\frac{5}{8} =$	$\frac{10}{16}$	$\frac{7}{20} =$	$\frac{35}{100}$	$\frac{1}{25} =$	$\frac{4}{100}$	$\frac{7}{10} =$	$\frac{70}{100}$	$\frac{20}{100} =$	$\frac{1}{5}$

CHECK-UP TEST | Measurement

Schofield & Sims

A Write in each box the coins which make up the given amount. Use the least possible number of coins.

32p	20p, 10p, 2p	54p	50p, 2p, 2p	65p	50p, 10p, 5p
80p	50p, 20p, 10p	67p	50p, 10p, 5p, 2p	18p	10p, 5p, 2p, 1p
26p	20p, 5p, 1p	71p	50p, 20p, 1p	59p	50p, 5p, 2p, 2p

B Find the change from each amount.

Amount	Spent	Change
50p	24p	26p
50p	35p	15p
50p	12p	38p
50p	37p	13p
50p	28p	22p
50p	19p	31p
50p	23p	27p
50p	16p	34p

Amount	Spent	Change
90p	81p	9p
60p	52p	8p
30p	23p	7p
45p	41p	4p
£1	24p	76p
£1	37p	63p
£2	£1.69	31p
£2	£1.06	94p

Amount	Spent	Change
£3	£2.13	£0.87
£4	£1.25	£2.75
£4	£2.48	£1.52
£5	£3.09	£1.91
£5	£2.46	£2.54
£5	£1.67	£3.33
£5	£2.11	£2.89
£5	£0.88	£4.12

C

10 5ps =	25 2ps	£7.50 =	15 50ps	£2.55 =	12 20ps, 3 5ps
6 5ps =	15 2ps	£10.00 =	20 50ps	£1.72 =	8 20ps, 6 2ps
14 5ps =	7 10ps	£3.80 =	19 20ps	£2.78 =	13 20ps, 9 2ps
100 5ps =	50 10ps	£10.00 =	50 20ps	£4.30 =	38 10ps, 1 50p
12 5ps =	3 20ps	£5.00 =	50 10ps	£3.80 =	7 50ps, 3 10ps
50 10ps =	25 20ps	£7.50 =	75 10ps	£4.25 =	8 50ps, 5 5ps
45 10ps =	9 50ps	£5.00 =	100 5ps	£2.90 =	5 50ps, 4 10ps
65 10ps =	13 50ps	£2.20 =	44 5ps	£1.64 =	3 50ps, 7 2ps

D

24p + 36p + 50p =	£1.10	£1.35 – 60p =	£0.75	£2.24 + £3.09 =	£5.33
39p + 41p + 22p =	£1.02	£2.70 – 85p =	£1.85	£4.75 – £2.80 =	£1.95
25p + 75p + 9p =	£1.09	£4.60 – 99p =	£3.61	£1.62 + £1.38 =	£3.00
63p + 28p + 12p =	£1.03	£2.29 – £0.74 =	£1.55	£1.50 – £0.77 =	£0.73
82p + 63p + 15p =	£1.60	£3.20 – £2.93 =	£0.27	£3.87 + £0.45 =	£4.32

E Find the cost of

5kg at 25p per kg	£1.25	$1\frac{1}{2}$l at 28p per l	£0.42	5m at £1.18 per m	£5.90
$3\frac{1}{2}$kg at 30p per kg	£1.05	3l at 55p per l	£1.65	75cm at £1 per m	£0.75
$4\frac{1}{2}$kg at 20p per $\frac{1}{2}$kg	£1.80	$2\frac{1}{2}$l at 22p per l	£0.55	$4\frac{1}{2}$m at 50p per m	£2.25
2kg at 50p per 200g	£5.00	$\frac{1}{2}$l at 60p per 100ml	£3.00	$1\frac{1}{4}$m at 20p per $\frac{1}{2}$m	£0.50
$6\frac{1}{2}$kg at 60p per kg	£3.90	750ml at 26p per $\frac{1}{2}$l	£0.39	2m at 30p per 20cm.	£3.00

F Write the times shown on these clocks

a using the 12-hour clock format, using a.m. or p.m.

b using the 24-hour clock format.

a 7.37 a.m.

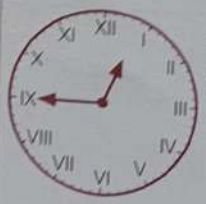
b 07:37

morning

a 1.24 p.m.

b 13:24

afternoon



a 12.45 a.m.

b 00:45

morning

a 10.19 p.m.

b 22:19

evening