

SECTION 1 | Test 3

Schofield & Sims


A Answer

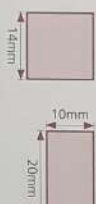
- 1 $910 + 90 =$ 1000
- 2 $18p + 7p = 20p +$ p 5p
- 3 $15 \times 10 =$ 150
- 4 $\frac{2}{3} - \frac{1}{9} =$ $\frac{5}{9}$
- 5 $(10 \times 0) + (4 \times 8) =$ 32
- 6 $43 + 47 =$ 90
- 7 $400 - 120 =$ 280
- 8 $1\text{kg} - 250\text{g} =$ g 750g
- 9 $\text{£}3 =$ 5ps 60 5ps
- 10 $1\text{h } 45\text{min} =$ min 105min
- 11 $\text{£}2.67 =$ 10ps + 7p 26 10ps
- 12 $(\frac{1}{2} \text{ of } 42) + (\frac{1}{3} \text{ of } 30) =$ 13

B Answer

- 1 Find the total of 29 and 81 110
- 2 What is the change from a 50p after spending 19p and 18p? 13p
- 3 Decrease 20cm by 20mm. 18cm
- 4 Multiply 6 by 12 and add 8. 80
- 5 Write 124mm to the nearest centimetre. 12cm
- 6 What sum of money is six times greater than £0.19? £1.14
- 7 Write 40 using Roman numerals. XL
- 8 $\frac{1}{2}$ kg of spaghetti costs £1.50. What is the cost of 100g? 30p
- 9 How many 5ps are equal to £2.75? 55 5ps
- 10 How many times greater is £4.20 than 42p? 10
- 11 How many days altogether in the 6th and 7th months of the year? 61 days
- 12 How much change from four 20ps after buying eight buttons at 9p each? 8p

C Answer

- 1 Write this date in digits only. The twenty-first day of August two thousand and seventeen. 21/08/2017
- 2  How many more grams must be placed in bag Z to match the weight of bag Y? 700g
- 3 $(4 \times 0) + (1 \times 9) + (10 \times 1) =$ 19
- 4 Which two of these fractions are equivalent? $\frac{3}{5}, \frac{4}{7}, \frac{3}{4}, \frac{3}{6}, \frac{4}{12}, \frac{3}{10}$
- 5 One 20p and a 5p were given as change from £2. How much had been spent? £1.75
- 6 Write the missing signs +, -, x or ÷ in place of \bullet and \blacktriangle . $9 \bullet 4 = 25 \blacktriangle 5$
- 7 How much greater is the distance round the rectangle than the distance round the square? 4mm



- 8 If 1kg of fudge costs £1, find the cost of
 - a 100g 10p
 - b 300g 30p
- 9 Add three-quarters of 24 to one-seventh of 56. 26
- 10 Samira was born in January, but Hassan was born 5 months earlier in what month was Hassan born? August
- 11 Five biscuits of equal value cost 40p. What do three of the biscuits cost? 24p
- 12 Tom and Sophie travel from home to school and back once a day. How many kilometres more does Sophie travel in 5 days than Tom? 2km



Mental Arithmetic 3 Answers

A Answer

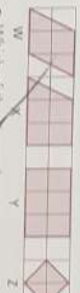

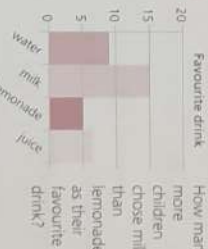
- 1 485 = tens + 5 units 48 T
- 2 $2\frac{1}{2}\text{kg} =$ g 2500g
- 3 $2000 + 900 + 70 + 6 =$ 2976
- 4 $25\text{cm} =$ mm 250mm
- 5 $9000 \div 10 =$ 900
- 6 $\text{£}1.00 - 82p =$ p 18p
- 7 $37 \div 4 =$ r 9 r 1
- 8 $p - 8p = 5p$ 13p
- 9 $3103 + 97 =$ 3200
- 10 Write 44 using Roman numerals. XLIV
- 11 $1\text{l} - 350\text{ml} =$ ml 650ml
- 12 $(9 \times 9) + 8 =$ 89

B Answer

- 1 $\frac{1}{3}$ of a number is 8. What is the number? 24
- 2 Subtract £1.27 from £2. 73p
- 3 Multiply £2.08 by 6. £12.48
- 4 Add 6 to the product of 7 and 7. 55
- 5 Find the remainder when 71 is divided by 8. 7
- 6 28p plus 46p plus p = £1 26p
- 7 Add the odd numbers between 24 and 28. 52
- 8 Increase $12\frac{3}{4}\text{cm}$ by 25mm. 15cm
- 9 How many metres in 25cm x 8? 2m
- 10 Eight pens cost 64p. What did one cost? 8p
- 11 How many years from 1875 to 1985? 110
- 12 If one sticker costs £0.05, find the cost of 100. £5.00

SECTION 1 | Test 4

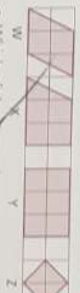
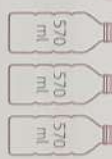
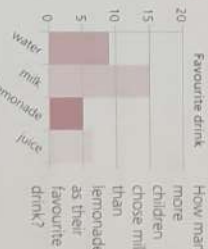
A Answer

- 1 Write the time 12 hours after 8 p.m. Use a.m. or p.m. 8 a.m.
- 2 Write nine-tenths as a decimal. 0.9
- 3  Which of the shapes has two pairs of parallel lines, four sides of equal length and four right angles? a z
- 4 Name this shape. b square
- 4 Find the change from £3 after spending £1.38 and £0.22. £1.40
- 5 If six lemons cost 90p what is the cost of
 - a one lemon 15p
 - b four lemons? 60p
- 6 By how many is $\frac{2}{3}$ of 20 greater than $\frac{1}{5}$ of 20? 3
- 7  Write the total capacity of the three bottles in litres and millilitres. 1l 710ml
- 8 In a drama club of 14 boys and 16 girls, three children were absent. What fraction of the children were
 - a absent $\frac{1}{10}$
 - b present? $\frac{8}{10}$
- 9  Favourite drink How many more children chose milk than lemonade as their favourite drink? 10
- 10 How many packets of popcorn each having a mass of 250g can be made from a $4\frac{1}{2}$ kg pack? 18
- 11 The distance round a triangle having equal sides is 18cm. Write the length of each side in millimetres. 60mm
- 12 A packet of mints has a mass of 188g. Write the mass of 10 packets.
 - a to the nearest 100g 1900g
 - b to the nearest kilogram 2kg

B Answer

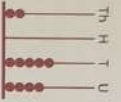
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 - a to the nearest 100g 1900g
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SECTION 1 | Test 1

A Answer



Write in words the number shown on the abacus.

two thousand and fifty-four

- $(3 \times 9) + 6 =$ 33
- $5 + \square = 13$ 8
- 9cm 4mm = \square mm 94mm
- $237p = \pounds \square$ £2.37
- $80 \times 10 =$ 800
- $(18 + 3) - (16 + 4) =$ 2
- $\frac{3}{7} + \frac{2}{7} =$ $\frac{5}{7}$
- $28p + 80p = \pounds \square$ £1.08
- $\pounds 6 = \square$ 50ps 12 50ps
- 1h 50min = \square min 110min
- $300 - 175 =$ 125

B Answer

- Add four hundred to one thousand and ten. Answer in digits. 1410
- Increase 29 by 33. 62
- Find the change from 50p after spending 28p. 22p
- Multiply £0.40 by 8. £3.20
- Write 87 to the nearest 10. 90
- Divide 200 by 10. 20
- Write as \pounds : the sum of 26p, 28p and 5p. £1.04
- $27p = \square$ 5ps plus six 2ps 3 5ps
- How many tenths in $1\frac{1}{2}$? 15
- Subtract 36p from £1. 64p
- How many 2ps have the same value as four 10ps? 20 2ps
- Find the cost of one if 10 cost £1. 10p

C Answer

- Which of these numbers will not divide into 36 without a remainder?
1 2 4 6 8 9 8

- Find the value of the missing number.
 $24 + 28 = \square + 12$ 40

- How many greater is 4×7 than $4 + 7$? 17



This clock is 14min slow. Write the correct time using a.m. or p.m.

9:07 p.m.

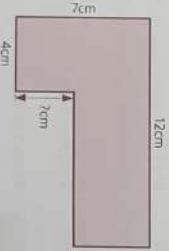
- By how much is the value of fifteen 2ps less than the value of nine 5ps? 15p

- If 100g of flour costs 30p, how much will 350g cost? £1.05

- $(54 \div 9) + (3 \times 12) =$ 42

- Arrange these digits to make the largest possible number.
0 7 9 1 9710

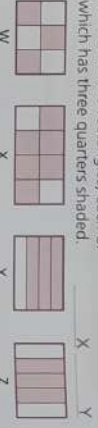
- Find the length in centimetres of the marked length. 3cm



- If $\frac{1}{2}$ kg costs 86p, how much will $\frac{3}{4}$ kg cost? £1.29

- Signs on a motorway are 100m apart. Find in kilometres the distance between 11 of the signs. 1km

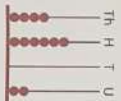
- Name the two rectangles, each of which has three quarters shaded.



Schofield & Sims

Mental Arithmetic 3 Answers

A Answer



Write in words the number shown on the abacus.

four thousand six hundred and two

- $180 + 30 =$ 210
- $600 \div 10 =$ 60
- 98mm = \square cm \square mm 9cm 8mm
- $(8 \times 12) + 7 =$ 103
- 204cm = \square m \square cm 2m 4cm
- $240 - 70 =$ 170
- Write 37 using Roman numerals. XXXVII
- $\frac{1}{5}$ of $25 + \frac{1}{2}$ of 7 = 6
- $22 + 8 + 34 =$ 64
- 75min = \square h \square min 1h 15min
- $\pounds 1.00 - \square p = 53p$ 47p

B Answer

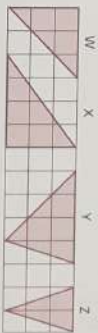
- Write in digits three thousand one hundred and fourteen. 3114
- By how many grams is 820g less than 1kg? 180g
- Divide 1m by 5. Answer in centimetres. 20cm
- Find the change from a 50p after spending 15p. 34p
- Find the cost of one if 10 cost £2. 20p
- How many eighths in 5 whole ones? $\frac{40}{8}$
- $84p = 7$ 10ps + \square 2ps 7 2ps
- Find the sum of £0.24 and £0.69. £0.93
- What must be added to 75p to make £1.50? 75p
- How many minutes from 7.47 a.m. to 8.15 a.m.? 28min
- One costs £0.49. Find the cost of three. £1.47
- Find the difference between 7×9 and 9×6 . 9

C Answer

- Take two thousand and twenty from 2222. 202

- What number other than 1, 3 and 27 will divide into 27 without leaving a remainder? 9

- Which of the triangles is a right-angled triangle and has two equal sides? W



- One-quarter of a class of 32 children have black hair. How many children do not have black hair? 24

- Which three coins are given in change from £2 after spending £1.35? 50p 10p 5p

- Write the total mass of the four tins in kilograms and grams. 1kg 450g



- Find the difference between the two largest fractions in this set: $\{\frac{3}{10}, \frac{5}{10}, \frac{13}{10}, \frac{4}{10}\}$ $\frac{7}{10}$

- Find the difference between (7×10) and (7×100) . 630

- Mia bought a box containing 500 straws. How many weeks will they last if she uses 20 straws each week? 25

- Write the sum of £0.36, £1.24 and £1.40. £3.00

- How many children altogether in the four classes? 100

Class 1	Class 2	Class 3	Class 4
25	26	25	24

- If baby food is sold at £2 per $\frac{1}{2}$ kg, how many grams can be bought for a £1. 250g

- 50p? a £1 b 250g

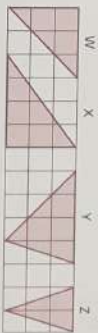
SECTION 1 | Test 2

A Answer

- Take two thousand and twenty from 2222. 202

- What number other than 1, 3 and 27 will divide into 27 without leaving a remainder? 9

- Which of the triangles is a right-angled triangle and has two equal sides? W



- One-quarter of a class of 32 children have black hair. How many children do not have black hair? 24

- Which three coins are given in change from £2 after spending £1.35? 50p 10p 5p

- Write the total mass of the four tins in kilograms and grams. 1kg 450g



- Find the difference between the two largest fractions in this set: $\{\frac{3}{10}, \frac{5}{10}, \frac{13}{10}, \frac{4}{10}\}$ $\frac{7}{10}$

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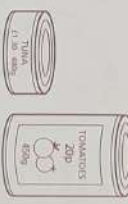

- 50p? a £1 b 250g

SECTION 1 | Test 5

Schofield & Sims

- A** Answer
- $43 + 6 = \square$ r \square 7 f 1
 - $500 = \square$ tens 50 T
 - $\frac{1}{12} + \frac{10}{12} = \square$ 11 $\frac{11}{12}$
 - $186\text{cm} = \square$ m \square cm 1m 86cm
 - $2200 + 800 = \square$ 3000
 - $167\text{mm} = \square$ cm \square mm 16cm 7mm
 - 11.16 a.m. to noon = \square min 44min
 - $210 \times 10 = \square$ 2100
 - $15 - 6 = \square + 3$ 6
 - $77p + 25p = \square$ £1.02
 - $(5 \times 9) + 16 = \square$ 61
 - $(72 + 9) \div (0 + 3) = \square$ 8
- B** Answer
- Find the sum of £1.80 and £0.18. £1.98
 - Subtract 40mm from 15cm. 11cm
 - Write in digits, three thousand and fifty-nine. 3059
 - Write in digits the time that is $4\frac{1}{4}$ hours after midday. Use a.m. or p.m. 4.15 p.m.
 - Multiply 9 by 90. 810
 - Add £0.19 to £2.36. £2.55
 - Find the difference between £5 and £3.44. £1.56
- Write in digits the number that is half of nine thousand. 4500
- Find in centimetres, $\frac{3}{10}$ of half a metre. 15cm
 - What is the product of 5 and 75? 375
 - What must be added to 13p and 15p to equal 40p? 11p
 - Find the cost of one scarf if 10 cost £25. £2.50
- C** Answer
- Find the cost of $1\frac{1}{2}$ kg of tomatoes at 28p per kg. 42p
 - Olivia exchanged three 10p coins for 20p, eight 2ps for 20p, four 1ps for 4p. How many did she get? 6, 20ps
 - Which fraction in the set is not equivalent to the others? ($\frac{4}{6}, \frac{12}{15}, \frac{5}{9}, \frac{8}{12}, \frac{3}{3}$) $\frac{5}{9}$
 - How many months in a year have 31 days? 7
 - Connor travelled 400km in 3 days. On the first day he travelled 130km and on the second day 228km. How far did he travel on the third day? 42km
 - What fraction of the circle is a shaded? $\frac{5}{8}$ b unshaded? $\frac{3}{8}$
 - Ribbon costs 12p per $\frac{1}{2}$ m. Find the cost of 125cm. 30p
 - By how much is 25p divided by 5 less than 25p multiplied by 8? £1.95
 - Ryan saved 55p each week for 8 weeks. How much short of £5 did he save? £0.60
 - Georgia had 45p left after spending £1.08 and using £0.27. How much had she at first? £1.80
 - The children were placed in two mixed-year groups of equal numbers. How many children were there in each class? 31
- | | |
|--------------------|----------------------------|
| Silverdale School | |
| Number of children | Year 5 – 33
Year 6 – 29 |
- Write the missing signs +, -, × or ÷ in place of \bullet and \blacktriangle .
 $9 \bullet 5 \blacktriangle 6 = 8$ $\bullet + \blacktriangle -$

Mental Arithmetic 3 Answers


- A** Answer
- $8000 + \square + 40 + 8 = 8548$ 500
 - 5 weeks = \square days 35 days
 - $420 \div 10 = \square$ 42
 - $£1.00 - 28p = \square$ p 72p
 - $1030 + 70 = \square$ 1100
 - $1l - 450\text{ml} = \square$ ml 550ml
 - $58 + 8 = \square$ r \square 7 r 2
 - $6 + \square = 9 + 4$ 7
 - $63\text{cm} + 38\text{cm} = \square$ m \square cm 1m 1cm
 - $\frac{5}{12} + \frac{8}{12} = \square$ $\frac{13}{12}$ or $1\frac{1}{12}$
 - $(\frac{1}{6} \text{ of } 54) + (\frac{1}{3} \text{ of } 12) = \square$ 13
 - $(4 \times 5) + (4 \div 5) = \square$ 29
- B** Answer
- Find the difference in centimetres between 5m and 465cm. 35cm
 - How many thirds in 3 whole ones? $\frac{9}{3}$
 - Divide £4.20 by 7. 60p
 - Subtract 60cm from $1\frac{1}{2}$ m. 90cm
 - Write in digits the time that is $2\frac{3}{4}$ hours after 11 a.m. Use a.m. or p.m. 1.45 p.m.
 - Find the sum of £0.48 and £1.54. £2.02
 - Write 59 using Roman numerals. LIX
 - $18p + 18p + 18p + 18p = \square$ 72p
 - How many 50ps would be exchanged for £9.50? 19 50ps
 - Find the cost of 10 if one costs 25p. £2.50
 - Multiply \$1.99 by 3. \$5.97
 - How many flowers each costing 4p can be bought for £27? 50
- C** Answer
- From five thousand subtract nine hundred. Write the answer in digits. 4100
 - Divide the sum of 4p, 6p, 8p and 10p into four equal amounts. How much is each amount? 7p
 - What number must be subtracted from 58 to leave 29? 29
 - How much will 36 cards cost? £1
 - $18 + 9 - \square = 10$. Find the value of the missing number. 17
 - Find the change from £1 after buying six bananas at 14p each. 16p
 - How much greater is £0.72 ÷ 8 than $42p \div 6$? 2p
 - Find the total cost of six tins of tomatoes and three tins of tuna. £5.10
- 
- What is the mass in kilograms and grams of
 - the six tins of tomatoes
 - the three tins of tuna?
- a 2kg 700g
b 1kg 440g
- Which of the triangles is
 - a right-angled triangle
 - an acute-angled triangle
 - an obtuse-angled triangle?
- 
- a Z
b Y
c X
- Take $\frac{1}{4}$ of 100 from $\frac{7}{10}$ of 100. How many minutes longer is it from 9:10 a.m. to noon than from 1:30 p.m. to 4:00 p.m.? 20min

SECTION 1 | Test 6

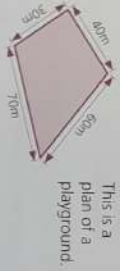
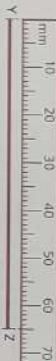
SECTION 1 | Test 11

Schofield & Sims

- A** **Answer**
- 1m 50cm + 10 = **15cm**
 - $\frac{1}{2}$ kg + 375g = **875g**
 - 7300 + 100 = **73**
 - $\frac{7}{8} + \frac{8}{8} = \frac{15}{8}$ or **1 $\frac{7}{8}$**
 - £3.00 - £1.13 = **£1.87**
 - 450km - 360km = **90km**
 - £2.47 + £1.63 = **£4.10**
 - $1\frac{1}{2}$ m = **1500mm**
 - $(7 \times 8) - (5 \times 6) =$ **26**
 - 25mm \times 8 = **20cm**
 - 10.24 a.m. to 12.10 p.m. = **1h 46min**
 - $(\frac{1}{2} \text{ of } 42) - (\frac{1}{3} \text{ of } 18) =$ **4**

- B** **Answer**
- Write seven-tenths as a decimal. **0.7**
 - Write the next two numbers in this sequence: 36, 48, 60, 72, **84**, **96**
 - Find the total of £2.36 and £0.99. **£3.35**
 - $\frac{9}{10}$ of a sum of money is £45. Find the whole amount. **£50**
 - Write 96 using Roman numerals. **XCVI**
 - How many grams are there in $\frac{1}{10}$ kg? **100g**
 - What is the difference between 42 and 420? **378**
 - Six packets of crisps cost £2.16. What is the cost of one? **36p**
 - Write 250mm in metres. **$\frac{1}{4}$ m**
 - Add 2 times 9 to 5 times 9. **63**
 - If five crackers cost 30p, what will 15 cost? **90p**
- C** **Answer**
- In a library there are 138 fiction books and 144 non-fiction books. How many books are there altogether? **282**
 - What fraction of 1 hour is a 20 minutes? **$\frac{1}{3}$ h**
b 40 minutes? **$\frac{2}{3}$ h**
 - Big 500g is divided into 10 equal quantities. What does one of the quantities weigh? **50g**
 - 

How much will 20 cans cost? **£4.50**
 - Write these fractions in descending order.
 $\frac{1}{6}, \frac{1}{10}, \frac{1}{12}, \frac{1}{3}, \frac{1}{4}, \frac{1}{8}, \frac{1}{10}, \frac{1}{12}$
 - By how many metres is the sum of 870m and 650m more than $1\frac{1}{2}$ km? **20m**
 - Which number when multiplied by itself equals 64? **8**
 - Write the length of a line 100 times longer than the line YZ.
a in centimetres **650cm**
b in metres. **65m**




- 10** Lucy has three times as much as Jakob who has 45p. How much have they altogether? **£1.80**
- 11** How many times must George run round it in order to run 1km?
a 100g **a 8p**
b 600g **b 48p**
- 12** Put these decimals in descending order.
6.9 6.3 13.1 1.9 3.7


Mental Arithmetic 3 Answers

- A** **Answer**
- 5505 - 500 = **5005**
 - $100 \times 21 =$ **2100**
 - $14cm + 15cm + 16cm =$ **45cm**
 - $3 \times 3 \times 3 =$ **27**
 - $28p + 25p + 45p =$ **£0.98**
 - £10.46 = **10p5 + 6p**
 - $\frac{3}{10}$ of 1km = **300m**
 - 8 a.m. to 6 p.m. = **10h**
 - $1\frac{1}{2}kg - 600g =$ **900g**
 - $(5 \times 7) + (10 \times 8) =$ **115**
 - $\frac{3}{4}l - 200ml =$ **550ml**
 - $(36 \div 9) + (100 \div 10) =$ **14**
- B** **Answer**
- Find the sum of 73 and 48. **121**
 - Write 1560mm as metres and millimetres. **1m 560mm**
 - Find half of the sum of 12p and 18p. **15p**
 - What is the product of 4, 5 and 6? **120**
 - How many eighths are there in 7 whole ones? **$\frac{56}{8}$**
 - Find the cost of 24 eggs at 6p each. **£1.44**
 - What is the remainder when 61 is divided by 9? **7**
 - How many years are there from 1984 to the year 2020? **36**
 - What number is 101 less than 1000? **899**
 - 100 chocolates cost £10.00. Find the cost of one. **10p**
 - Add the numbers between 20 and 35 that can be divided exactly by 8. **56**
 - Find the cost of $3\frac{1}{2}$ m of ribbon at 16p per metre. **56p**

SECTION 1 | Test 12

- C** **Answer**
- Divide the sum of 7, 11, 6 and 4 by 7. **4**
 - How many 30cm lengths can be cut from a 3m length? **10**
 - Find the cost of 2l 250ml of Shampoo if 1l costs £2. **£4.50**
 - What must be added to 7 + 9 to equal 7 + 9? **47**
 - 300 keyrings cost £18. Find the cost of a 100. **a £6**
b 10. **b 60p**
 - Find the length, in millimetres, of the length marked 'x'. **30mm**
 - 


Dan goes to bed at 7.45 p.m. and gets up at 7.45 a.m. How many hours is he in bed? **12h**

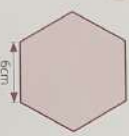
William bought the chess set at a quarter less than the advertised price. How much did he pay? **£2.70**
 - 

The diagram shows two children's heights. How much taller is Fatima than Any?
a in centimetres **a 17cm**
b in millimetres? **b 170mm**
 - How many 200ml cups can be filled from a bottle holding 4l? **20**
 - Write 94 using Roman numerals. **XCVI**
 - There are 2055 people in a village. Write the number of people a to the nearest 10 **a 2060**
b to the nearest 100 **b 2100**
c to the nearest 1000 **c 2000**

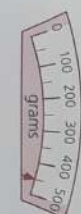
- A** Answer
- $£2.40 + 70p = £$ £3.10
 - $1\frac{3}{4}m =$ 175cm
 - $6p \times 12 = £$ £0.72
 - $17mm + 18mm =$ 35mm
 - $(6 \times 8) - (4 \times 7) =$ 20
 - $£3.00 - £2.18 =$ 82p
 - $59 \div 6 =$ 9 r. 5
 - $17 - \frac{8}{10} =$ $16\frac{2}{10}$
 - $4500m =$ $4\frac{1}{2}km$
 - $\frac{6}{8} =$ $\frac{3}{4}$ quarters
 - 24 months = 2yr
 - 11.25 a.m. to 12.15 p.m. = 50min

- B** Answer
- Subtract 8 from 103. 95
 - Write the name of the coin that has the same value as £0.10. 10p
 - Find six-tenths of 80cm. 48cm
 - By how many centimetres is 2m greater than the sum of 80cm and 90cm? 30cm
 - Add twenty-five to one thousand and eighty. 1105
 - Find the cost of one toothbrush if 10 cost £5.40. 54p
 - How many sixths in $\frac{2}{3}$? $\frac{4}{6}$
 - How many millilitres must be added to 270ml to make $\frac{1}{2}l$? 230ml
 - Find the total of $\frac{3}{4}m$ and $2\frac{1}{2}m$. $2\frac{7}{4}m$
 - Write 5300g to the nearest kilogram. 5kg
 - Divide the sum of 19 and 16 by 5. 7
 - Write 63 using Roman numerals. LXIII

- C** Answer
- Subtract $(50p \times 10)$ from $(5p \times 100)$. 0p
 - By how many millimetres is the line AB longer than the line CD? 10mm
- 


- Rhys has 29 ment points and James has twice as many. How many have they altogether? 87
 - How many glasses, each holding 300ml, can be filled from a jug holding $1\frac{1}{2}l$? 5
 - What is the distance in centimetres all round this regular hexagon? 36cm
- 

- How many greater is $\frac{3}{4}$ of 12 than $\frac{2}{3}$ of 12? 1
 - Put these decimals in ascending order. 0.53 5.01 1.35 3.51 1.51
 - The diagram shows how three friends shared £5. How much did each child have?

Hassan	Sienna	Abi
£1.50	£2.50	£1.00
 - Which three coins are given in change from £1 after spending 83p? 10p 5p 2p
 - If 27 January is a Wednesday, what date is the following Wednesday? 3 February
 - The scale shows the mass of a bag of sugar. How much will it cost if the price is 30p for 100g? £1.35
- 

- A** Answer
- $£1.00 - 14p =$ 86p
 - $15mm \times 10 =$ 15cm
 - $£1.50 + £2.60 =$ £4.10
 - $5450m =$ 5km 450m
 - $27p \times 4 =$ £1.08
 - $\frac{1}{5}$ of $£3.00 =$ 60p
 - Write 8 hundredths as a decimal. 0.08
 - 5 days = 120h
 - $(56 \div 7) - (9 \div 9) =$ 7
 - $\frac{1}{10}l - 389ml =$ 111ml
 - 1m = 1000mm
 - $(9 \times 6) + (10 \times 5) =$ 104

- B** Answer
- Increase 57 by 35. 92
 - Half of a sum of money is 49p. What is the whole amount? 98p
 - How many 10cm lengths are there in 5m? 50
 - Multiply the sum of 5 and 4 by 8. 72
 - How many pence in $\frac{3}{8}$ of 40p? 15p
 - $7 \times \square = 98$
Find the missing number. 14
 - Write the time $\frac{1}{2}h$ before 12.05 a.m. Use a.m. or p.m. 11.35 p.m.
 - 420 minus 80 equals 300 plus 40
 - What is the cost of eight oranges if one orange costs £0.19? £1.52
 - Find the difference between $\frac{1}{8}$ and $\frac{6}{8}$. $\frac{5}{8}$
 - How much short of 3m is 265cm? 35cm
 - Write 81 using Roman numerals. LXXXI

- C** Answer
- From the sum of 24 and 29 take 13. 40
 - Arrange the digits 4, 0, 2, 5 to make the largest possible even number. 5420
 - The distance round a square is 72cm. What is the length of one side? 18cm
 - Write the next two numbers in this sequence. -2 -4
5, 4, 2, 0, -2
 - How far is it from C to B? 240m
- 

- What is the smallest number into which both 4 and 6 will divide exactly? 12
- A school was opened in 1958. How many years will the school have been open by the year 2020? 62
- If 1l of milk costs 70p, find the cost of
 - 100ml. 7p
 - 400ml. 28p
- Kiera had these

2ps	coins.
5ps	more is needed
seven	to make her
10ps	money up

 to £1.20? 17p
- Write the missing signs +, -, \times or \div in place of \bullet and \blacktriangle .
(12 \bullet 3) \blacktriangle 6 = 10 $\bullet \div \blacktriangle +$
- Which two coins are given in change from £2 after spending 83p and 66p? 50p 1p

SECTION 1 | Test 7

Schofield & Sims

A Answer

- $\frac{13}{10} - \frac{6}{10} = \frac{7}{10}$
- $£1.50 + 65p = £2.15$
- $11\,600\text{ml} = 11\,600\text{ml}$
- $2000 + \square + 6 = 2036$
4 r \square 30
- $38 \div 9 = \square \text{ r } \square$
4 r \square 2
- From noon to 4:15 p.m. = \square h \square min
4h \square 15min
- $70 \times 100 = 7000$
- $(9 \times 7) + (8 \times 5) = 103$
- $4046 + 54 = 4100$
- $17 - 8 - 4 = 5$
- $25 \text{ 2ps} = 50\text{ps}$
- $(49 \div 7) + (36 \div 6) = 13$

B Answer

- Find the product of 6 and 14. 84
- How much greater is £5 than £3.37? $£1.69$
- Find the total of the odd numbers between 6 and 12. 27
- How many fifths are equal to eight-tenths? $\frac{4}{5}$
- Multiply 12p by 7. 84p
- Subtract 200g from $\frac{1}{4}\text{kg}$. 50g
- Four pencils cost 60p. Find the cost of one pencil. 15p
- Find the difference in length between $\frac{1}{2}\text{m}$ and 135cm. 15cm
- Write 96mm to the nearest centimetre. 10cm
- How many times smaller is 80 than 8000? 100
- 100 cost £4.00. What is the cost of one? 4p
- Write as £, the value of thirty-nine 5ps. $£1.95$

C Answer

- Ahmed has £1.56 and Katie has £1.44. If they share their money equally, how much does each have? $£1.50$
- Write the next two numbers in the sequence: 5, 4, 3, 2, 1, 0, \square , \square . -1 , -2
- Find the cost of 500g if 200g cost 40p. $£1.00$
- How many times larger than 25 is a two hundred and fifty? a 10
b two thousand five hundred? b 100
- A concert started at 7:15 p.m. The programme lasted for $1\frac{1}{2}$ hours. There was also a 10 minute interval. At what time did the concert end? $8:55 \text{ p.m.}$
- Write 4m 45cm as a centimetres a 445cm
b millimetres. b 4450mm
- Find the change from £2 after buying $3\frac{3}{4}\text{kg}$ of cheese at 40p per kilogram. 70p
- Five less than three thousand one hundred. Write the answer in digits. 3095
- How many greater is the sum of the odd numbers in the box than the sum of the even numbers?
 $\begin{array}{|c|c|c|c|} \hline 30 & 35 & 39 & 42 \\ \hline \end{array}$ 2
- Freya has 80p pocket money. She saves $\frac{1}{5}$ and spends the remainder. How much does she a save a 16p
b spend? b 64p
- Nine trays, each containing six cakes, were bought for a party. If nine cakes were left over, how many had been eaten? 45
- Write all the numbers between 40 and 60 which are multiples of 7. $42, 49, 56$



Mental Arithmetic 3 Answers

A Answer

- $2 \times 2 \times 2 = 8$
- $p + £1.28 = £1.50$
 22p
- $290 + 120 = 410$
- $2\frac{1}{2}\text{m} = 225\text{cm}$
- $51 \div 4 = \square \text{ r } \square$
12 r \square
- $10\text{p} + 10\text{p} + 5\text{p} - 14\text{p} = 11\text{p}$
- $110\text{mm} = 11\text{cm}$
- $\frac{13}{9} - \frac{8}{9} = \frac{5}{9}$
- $2\frac{3}{4}\text{kg} = 2750\text{g}$
- $(7 \times 6) + (8 \times 0) = 42$
- 48 hours = \square days 2 days
- $(\frac{1}{5} \text{ of } 27) - (\frac{1}{8} \text{ of } 8) = 2$

B Answer

- Write 84 using Roman numerals. LXXXIV
- Write 4750g to the nearest kilogram. 5kg
- Find the product of 8 and 65. 520
- How many teabags costing 6p each can be bought for £3.00? 50
- How many months in five years? 60
- What must be added to £2.52 to make £5? $£2.48$
- A 64cm strip is cut into eight equal pieces. Write the length in millimetres of one piece. 80mm
- Multiply 16 by 7. 112
- Decrease $5\frac{1}{4}\text{m}$ by 50cm. $4\frac{3}{4}\text{m}$
- If one yoghurt costs 9p, find the cost of 100. $£9.00$
- Find the difference between $(136 + 66)$ and (10×20) . 2
- How many 2ps have the same value as twenty 5ps? 50 2ps

SECTION 1 | Test 8

C Answer

- What must be added to 25cm and 39cm to make 1m? 36cm
- What is the number nearest to 60 that will divide by 9 without a remainder? 63
- The three marked points are three vertices of a square. Write the coordinates of the fourth vertex of the square. (\square, \square)
- Continue the sequence: 7, 5, 3, 1, \square , \square . -1 , -3
- Four sweets cost 9p. Find the cost of 20 sweets. 45p
- The distance round the rectangle is 20cm. If the length is 6cm, what is the width? 4cm
- Find the value of the missing number. $13 + 19 = \square + 25$ 7
- This clock is 12 minutes fast. What is the correct time? $6:53 \text{ a.m.}$
- Eva's uncle is 34 years and 5 months old. Eva's aunt is 33 years and 8 months old. How many months older is her uncle than her aunt? 9mth
- What fraction of 1kg is each bar of soap?
A $\frac{1}{2}\text{kg}$
B $\frac{1}{3}\text{kg}$
C $\frac{1}{20}\text{kg}$
- Write these decimals in ascending order:
 $\begin{array}{|c|c|c|} \hline 3.6 & 3.1 & 2.8 & 0.9 \\ \hline \end{array}$
 0.9 2.8 3.1 3.6
- Write the missing signs +, -, \times or \div in place of \bullet and \blacktriangle .
 $(5 \bullet 5) \blacktriangle 5 = 20$ $\bullet \times$ $\blacktriangle \div$

