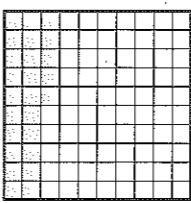
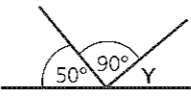


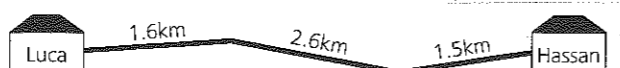
SECTION 3 | Test 7

Schofield & Sims

- | A | Answer |
|--|---------------------------------|
| 1 1.6 = a tenths
b hundredths | a 16 tenths
b 160 hundredths |
| 2 $\frac{11}{16} + \dots = 1$ | $\frac{5}{16}$ |
| 3 $23 + 25 = \dots \times 6$ | 8 |
| 4 0.78m = \dots cm | 78cm |
| 5 $57 \div 3 = \dots$ | 19 |
| 6 $\pounds 1.00 - (23p + 38p) = \dots p$ | 39p |
| 7 $(6 \times 6) - (3 \times 9) = \dots$ | 9 |
| 8 $\pounds 3.50 \times 8 = \pounds \dots$ | £28.00 |
| 9 $5.6\text{cm} - 38\text{mm} = \dots \text{mm}$ | 18mm |
| 10 $5^2 = 5 \times 5 = \dots$ | 25 |
| 11 10 ice lollies cost £2.50.
One will cost $\dots p$. | 25p |
| 12 1kg 600g + 3kg 800g = \dots kg | 5.4kg |

- | B | Answer |
|---|---------------------------------|
| 1 Write 864cm to the nearest metre. | 9m |
| 2 Increase £4.55 by 90p. | £5.45 |
| 3 Write, in centimetres, the value that is half of
a 68mm
b 3.6cm. | a 3.4cm
b 1.8cm |
| 4 Write each fraction as an equivalent one with the denominator 4.
a $\frac{15}{20}$ b $\frac{12}{16}$ | a $\frac{3}{4}$ b $\frac{3}{4}$ |
| 5 Write as a decimal the total of 3 tens, 7 tenths and 8 hundredths. | 30.78 |
| 6 Find the missing numbers in this sequence.
90, 81, \dots , 54, 45 | 72 63 |
| 7 $\frac{54}{6} = 36 \div y$.
Find the value of y. | 4 |
| 8 Find the difference between £0.50 and one-quarter of £1. | 25p |
| 9 What fraction of 10 is $1\frac{1}{4}$? | $\frac{1}{8}$ |
| 10 Divide £8.40 by 10 and add 16p to the answer. | £1.00 |
| 11 3.6kg \times 6. Write the answer to the nearest kilogram. | 22kg |
| 12 Find one-quarter of 10m
a in metres
b in centimetres. | a 2.5m
b 250cm |

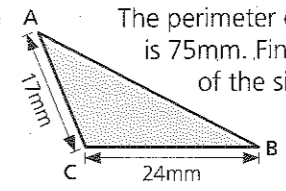
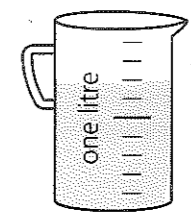
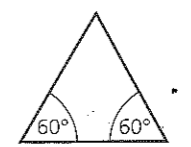
- | C | Answer | | | | | | | | | | |
|---|---|-----------|--------------|---------------|----------|--------|---------|-------|---------|-------|------------|
| 1  Write the part of the square which is shaded
a as a decimal fraction
b as a fraction in its lowest terms. | a 0.25
b $\frac{1}{4}$ | | | | | | | | | | |
| 2 Which number other than 1 will divide exactly into each of these numbers?
<table border="1" style="display: inline-table; margin: 5px;"><tr><td>28</td><td>42</td><td>35</td><td>14</td></tr></table> | 28 | 42 | 35 | 14 | 7 | | | | | | |
| 28 | 42 | 35 | 14 | | | | | | | | |
| 3  Find the measurement in degrees of the angle marked Y. | 40° | | | | | | | | | | |
| 4 A litre of juice has a mass of 1kg. Find the mass in grams of
a 0.5l
b $\frac{1}{4}$ l. | a 500g
b 250g | | | | | | | | | | |
| 5 What is the area of a corridor $2\frac{1}{2}$ m wide and 20m long? Give the unit of measurement. | 50m ² | | | | | | | | | | |
| 6 <table border="1" style="display: inline-table; margin: 5px;"><thead><tr><th colspan="2">Timetable</th></tr><tr><th>leave Borden</th><th>arrive Notley</th></tr></thead><tbody><tr><td>X 17.30</td><td>18.03</td></tr><tr><td>Y 18.30</td><td>19.03</td></tr><tr><td>Z 19.30</td><td>20.03</td></tr></tbody></table> Which bus X, Y or Z
a arrives at Notley at 7.03 p.m.
b leaves Borden at 7.30 p.m.? | Timetable | | leave Borden | arrive Notley | X 17.30 | 18.03 | Y 18.30 | 19.03 | Z 19.30 | 20.03 | a Y
b Z |
| Timetable | | | | | | | | | | | |
| leave Borden | arrive Notley | | | | | | | | | | |
| X 17.30 | 18.03 | | | | | | | | | | |
| Y 18.30 | 19.03 | | | | | | | | | | |
| Z 19.30 | 20.03 | | | | | | | | | | |
| 7 25cm of ribbon cost 14p. Find the cost per metre. | 56p | | | | | | | | | | |
| 8 Alfie bought four yoghurts each costing 18p. Name the three coins he gave in exact payment. | 50p 20p 2p | | | | | | | | | | |
| 9 How many 250ml bottles can be filled from $2\frac{1}{2}$ l of milk? | 10 | | | | | | | | | | |
| 10 The chart shows the number of minutes Toby took to walk to school each day. Find the total number of minutes and divide it by the number of days. | 8min | | | | | | | | | | |
| | <table border="1" style="display: inline-table; margin: 5px;"><tr><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th></tr><tr><td>7</td><td>11</td><td>10</td><td>6</td><td>6</td></tr></table> | Monday | Tuesday | Wednesday | Thursday | Friday | 7 | 11 | 10 | 6 | 6 |
| Monday | Tuesday | Wednesday | Thursday | Friday | | | | | | | |
| 7 | 11 | 10 | 6 | 6 | | | | | | | |
| 11 What number is 5 less than 2? | -3 | | | | | | | | | | |
| 12 The diagram shows the lengths of the roads from Luca's to Hassan's house.
a kilometres
b metres. | a 5.7km
b 5700m | | | | | | | | | | |



Mental Arithmetic 3 Answers

- | A | Answer |
|--|--------|
| 1 39 + 67 = | 106 |
| 2 0.1 + 10 + 0.06 = | 10.16 |
| 3 2h - 28min = \dots min | 92min |
| 4 500 - (40 \times 9) = | 140 |
| 5 9cm \div 10 = \dots mm | 9mm |
| 6 6 ² = 6 \times 6 = | 36 |
| 7 (9 \times 6) + (3 \times 8) = | 78 |
| 8 \dots ml \times 10 = 4l | 400ml |
| 9 1.4kg - 850g = \dots g | 550g |
| 10 $\pounds 1 - (8p \times 6) = \dots p$ | 52p |
| 11 $\frac{7}{8}$ of $\pounds 56 = \dots$ | £49 |
| 12 6m \div 4 = \dots cm | 150cm |
- | B | Answer | | | | |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 Write to the nearest whole number.
a 8.5
b $11\frac{5}{12}$ | a 9
b 11 | | | | |
| 2 Write 39p as a decimal fraction of £1. | £0.39 | | | | |
| 3 How many times can 0.2 be taken from 1? | 5 | | | | |
| 4 How many days in
a a year
b a leap year? | a 365
b 366 | | | | |
| 5 What sum of money is equal to five times 88p? | £4.40 | | | | |
| 6 Which of these fractions is equal to $\frac{3}{4}$?
<table border="1" style="display: inline-table; margin: 5px;"><tr><td>$\frac{16}{20}$</td><td>$\frac{15}{20}$</td><td>$\frac{16}{24}$</td><td>$\frac{12}{18}$</td></tr></table> | $\frac{16}{20}$ | $\frac{15}{20}$ | $\frac{16}{24}$ | $\frac{12}{18}$ | $\frac{15}{20}$ |
| $\frac{16}{20}$ | $\frac{15}{20}$ | $\frac{16}{24}$ | $\frac{12}{18}$ | | |
| 7 Find the difference in grams between $\frac{1}{2}$ kg and 0.3kg. | 200g | | | | |
| 8 Multiply 8.33m by 100. | 833m | | | | |
| 9 By how many centimetres is 2.46m greater than 1.95m? | 51cm | | | | |
| 10 Add 8, 13, 10 and 9 and divide by 4. | 10 | | | | |
| 11 By how many is the sum of 15 and 10 less than the product of 15 and 10? | 125 | | | | |
| 12 Rearrange these digits to make the largest possible even number.
<table border="1" style="display: inline-table; margin: 5px;"><tr><td>4</td><td>0</td><td>8</td><td>7</td></tr></table> | 4 | 0 | 8 | 7 | 8740 |
| 4 | 0 | 8 | 7 | | |

SECTION 3 | Test 8

- | C | Answer | | | | | | | | | | | | | | | |
|--|------------------------------|---------|-------|-------------------|---|--------|-----|-----|-----|-----|---------|-------------------|-----|-----|-------------------|-----|
| 1 How many grams less than 5kg is the total of 2.7kg and 1.5kg? | 800g | | | | | | | | | | | | | | | |
| 2 What 24-hour time is 15 minutes after 12:55? | 13:10 | | | | | | | | | | | | | | | |
| 3 How many 7p sweets can be bought for £2.10? | 30 | | | | | | | | | | | | | | | |
| 4  The perimeter of this triangle is 75mm. Find the length of the side AB. | 34mm | | | | | | | | | | | | | | | |
| 5 Which three coins are given in change from £5 after spending £4.76?
20p 2p 2p | 20p 2p 2p | | | | | | | | | | | | | | | |
| 6  Write the amount of liquid in this jug as
a a decimal fraction of 1l
b a fraction of 1l in its lowest terms | a 0.7l
b $\frac{7}{10}$ l | | | | | | | | | | | | | | | |
| 7 The cost of $2\frac{1}{2}$ kg of rice is £5.50. Find the cost of 500g. | £1.10 | | | | | | | | | | | | | | | |
| 8 <table border="0" style="display: inline-table; margin: 5px;"><tr><td style="text-align: right;">1 5 4</td><td style="padding: 0 10px;">-</td><td style="text-align: left;">6 7</td></tr><tr><td style="text-align: right;">-</td><td style="padding: 0 10px;">-</td><td style="text-align: left;">-</td></tr></table> Find the missing number. | 1 5 4 | - | 6 7 | - | - | - | 87 | | | | | | | | | |
| 1 5 4 | - | 6 7 | | | | | | | | | | | | | | |
| - | - | - | | | | | | | | | | | | | | |
| 9 Find the difference between CI and XLVIII and write the answer using Roman numerals. | LIII | | | | | | | | | | | | | | | |
| 10  Name this triangle by
a its angles
b its sides. | a acute
b equilateral | | | | | | | | | | | | | | | |
| 11 <table border="1" style="display: inline-table; margin: 5px;"><tr><td>9996.8</td></tr><tr><td>10000.0</td></tr></table> The readings show the number of kilometres travelled by a car before and after a journey. Find in kilometres the length of the journey. | 9996.8 | 10000.0 | 3.2km | | | | | | | | | | | | | |
| 9996.8 | | | | | | | | | | | | | | | | |
| 10000.0 | | | | | | | | | | | | | | | | |
| 12 The chart shows the length and breadth of four rectangles. Which two of the rectangles have the same area?
<table border="1" style="display: inline-table; margin: 5px;"><tr><th></th><th>W</th><th>X</th><th>Y</th><th>Z</th></tr><tr><td>length</td><td>7cm</td><td>4cm</td><td>5cm</td><td>8cm</td></tr><tr><td>breadth</td><td>$1\frac{1}{2}$cm</td><td>3cm</td><td>2cm</td><td>$1\frac{1}{2}$cm</td></tr></table> | | W | X | Y | Z | length | 7cm | 4cm | 5cm | 8cm | breadth | $1\frac{1}{2}$ cm | 3cm | 2cm | $1\frac{1}{2}$ cm | X Z |
| | W | X | Y | Z | | | | | | | | | | | | |
| length | 7cm | 4cm | 5cm | 8cm | | | | | | | | | | | | |
| breadth | $1\frac{1}{2}$ cm | 3cm | 2cm | $1\frac{1}{2}$ cm | | | | | | | | | | | | |