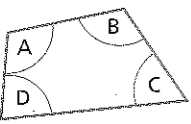
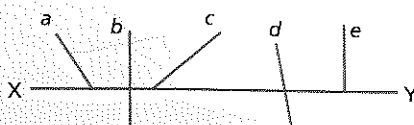


**SECTION 1 | Test 11**

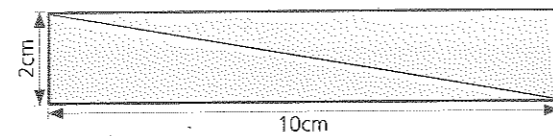
Schofield & Sims

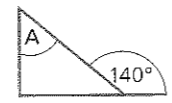
- | A  | Answer           |
|--|------------------|
| 1 $(7 \times 8) + 5 =$   | 61               |
| 2 $2.86 =$ tenths + 6 hundredths   | 28 tenths        |
| 3 $\frac{4}{5} = \frac{\quad}{100}$  | $\frac{80}{100}$ |
| 4 $£2.04 \times 8 =$   | £16.32           |
| 5 How many minutes from 11.40 a.m. to 1.10 p.m.?   | 90min            |
| 6 $105\,570 - 100\,510 =$  | 5060             |
| 7 $4\text{kg } 50\text{g} =$ g   | 4050g            |
| 8 $70\text{p} \times 2\frac{1}{2} =$   | £1.75            |
| 9 $504\text{mm} =$ cm  | 50.4cm           |
| 10  $\angle A + \angle B + \angle C + \angle D =$ | 360°             |
| 11 $0.3\text{l} =$ ml  | 300ml            |
| 12 $£9.00 \div 100 =$ p  | 9p               |

- | B  | Answer                        |
|--|-------------------------------|
| 1 Take 0 times 9 from the product of 8 and 6.  | 48                            |
| 2 Five parcels of different sizes have a total mass of 800g. Find their average mass.  | 160g                          |
| 3 Decrease 72p by $\frac{1}{8}$ .  | 63p                           |
| 4 In a leap year February has 29 days. How many days in a leap year?   | 366                           |
| 5 Write 9l 700ml to the nearest half-litre.  | 9½l                           |
| 6 How much change from a £5 note after first spending £3 and then 56p?   | £1.44                         |
| 7 Which of these fractions equal $\frac{2}{3}$ ?<br>$\frac{4}{9}, \frac{8}{12}, \frac{16}{20}, \frac{10}{15}$                                    | $\frac{8}{12}, \frac{10}{15}$ |
| 8 What number when multiplied by 3 gives 207 for the answer?   | 69                            |
| 9 Find the cost of 2m 20cm at 25p per metre.   | 55p                           |
| 10 Write 493 using Roman numerals.   | CDXCIII                       |
| 11 $17 \times 7 = 119$ . Write the answer to $0.17 \times 7$ .   | 1.19                          |
| 12 Which of these lines are perpendicular to the line XY?<br> | b, e                          |

- | C   | Answer   |
|---|--|
| 1 Write the next two odd numbers in this sequence.<br>995, 997, 999, , ,  | 1001 1003  |
| 2 Pasta costs 25p for 100g. Find the cost of a bag of pasta containing 1kg 300g.  | £3.25  |
| 3 Write each of these fractions with a denominator of 100.<br>a $\frac{9}{10}$<br>b $\frac{7}{10}$<br>c $\frac{13}{50}$ | a $\frac{90}{100}$<br>b $\frac{70}{100}$<br>c $\frac{26}{100}$ |
| 4 The rainfall for three months of a year was 37mm, 43mm, 40mm. Find the average monthly rainfall.                      | 40mm   |
| 5 Find a the area of the rectangle<br>b the perimeter of the rectangle.   | a 20cm <sup>2</sup><br>b 24cm                                  |

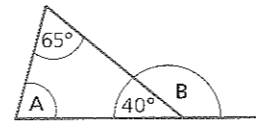
Write the unit of measurement in each case.



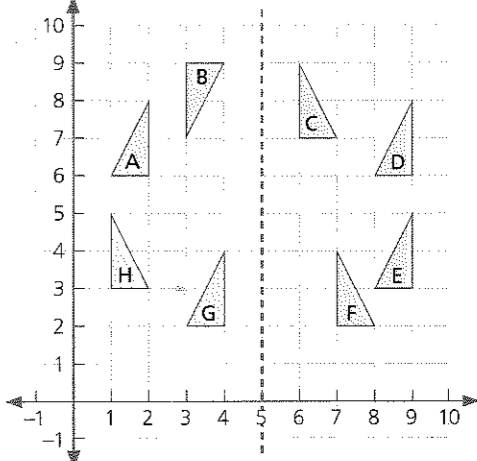
- |  |                    |    |   |   |   |   |
|--|--------------------|----|---|---|---|---|
| 6 The temperature was 4°C and it fell by 9°C. What is the temperature now?   | -5°C               |    |   |   |   |   |
| 7  In this right-angled triangle what is the size in degrees of $\angle A$ ?                            | 50°                |    |   |   |   |   |
| 8 Find the mean average of these numbers.<br><table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>7</td><td>13</td><td>6</td><td>9</td><td>5</td></tr></table> | 7                  | 13 | 6 | 9 | 5 | 8 |
| 7  | 13                 | 6  | 9 | 5 |   |   |
| 9 Jack needs £3.20 to buy a book. He has saved three 50ps, four 20ps and one 10p. How much more must he save?  | 80p                |    |   |   |   |   |
| 10 A train journey from London to Leeds takes 2h 35min. At what time do these trains arrive at Leeds if they leave London at<br>a 11:25<br>b 18:45?  | a 14:00<br>b 21:20 |    |   |   |   |   |
| 11 1 litre of water has a mass of 1kg. Find the mass of a bottle containing 1.5l of water if the bottle has a mass of 150g.  | 1kg 650g           |    |   |   |   |   |
| 12 On a coordinate grid, point A is at (5, 2). It is then moved three squares up. What are its coordinates now?  | (5, 5)             |    |   |   |   |   |

**Mental Arithmetic 4 Answers**

- | A   | Answer         |
|---|----------------|
| 1 $300 + 15 + 5000 =$                           | 5315           |
| 2 forty-five 5ps = £                            | £2.25          |
| 3 $\frac{27}{100}$ of 1m = cm                   | 27cm           |
| 4 $0.45 + \quad = 1$                            | 0.55           |
| 5 The ninth month of the year is                | September      |
| 6 $709 \times 8 =$                              | 5672           |
| 7 $3.7 =$ hundredths                            | 370 hundredths |
| 8 $17\text{p} + 15\text{p} + 20\text{p} =$ £    | £0.52          |
| 9 $140\text{g} + \quad \text{g} = 0.2\text{kg}$ | 60g            |
| 10 $£23.00 \div 5 =$                            | £4.60          |
| 11 $0.7\text{l} - \frac{1}{2}\text{l} =$ ml     | 200ml          |
| 12 $\frac{3}{10} + \frac{2}{5} =$               | $\frac{7}{10}$ |

- | B   | Answer            |    |    |    |    |
|---|-------------------|----|----|----|----|
| 1 What number is 32 greater than 290?   | 322               |    |    |    |    |
| 2 Write as a decimal 5 tens plus 18 tenths.   | 51.8              |    |    |    |    |
| 3 How many 5ps must be taken from three 50ps to leave £1.15?  | 7 5ps             |    |    |    |    |
| 4 How many eighths are there in $7\frac{5}{8}$ ?  | $\frac{61}{8}$    |    |    |    |    |
| 5 29 June is on a Friday. On which day is 4 July?   | Wednesday         |    |    |    |    |
| 6 Share 75p equally among eight children. Find<br>a how much they each receive<br>b how much is left over.  | a 9p<br>b 3p      |    |    |    |    |
| 7 What mass in kilograms is double 3kg 750g?  | 7.5kg             |    |    |    |    |
| 8 Which of these numbers will divide exactly by both 6 and 9 without a remainder?<br><table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>24</td><td>36</td><td>48</td><td>63</td></tr></table> | 24                | 36 | 48 | 63 | 36 |
| 24  | 36                | 48 | 63 |    |    |
| 9 Find the area of a rectangular playground 30m long and 18m wide.  | 540m <sup>2</sup> |    |    |    |    |
| 10 Find the cost of 400g at 25p per kilogram.   | 10p               |    |    |    |    |
| 11 From $1\frac{3}{8}$ subtract $(\frac{1}{2} + \frac{3}{4})$ .   | $\frac{1}{8}$     |    |    |    |    |
| 12  How many degrees in<br>a $\angle A$<br>b $\angle B$ ?  | a 75°<br>b 140°   |    |    |    |    |

**SECTION 1 | Test 12**

- | C   | Answer                 |     |     |     |     |     |
|---|------------------------|-----|-----|-----|-----|-----|
| 1 Approximate<br>a 9.82 to the nearest whole one<br>b £10.48 to the nearest £1<br>c 3.25kg to the nearest kilogram.   | a 10<br>b £10<br>c 3kg |     |     |     |     |     |
| 2 The kilometre reading on a car is 9946.2. What distance has the car to travel for it to read ten thousand kilometres?   | 53.8km                 |     |     |     |     |     |
| 3 Which two shapes are reflections of each other along the dotted line?<br>                                      | H E                    |     |     |     |     |     |
| 4 10 yoghurts cost £2.40. Find the cost of three.   | 72p                    |     |     |     |     |     |
| 5 Josh was born on 30/06/03. Write his age in years and months on 1 September 2015.   | 12yr 2mth              |     |     |     |     |     |
| 6 Find the sum of the numbers between 60 and 80 which are divisible by 9.   | 135                    |     |     |     |     |     |
| 7 Write the number 900 using Roman numerals.  | CM                     |     |     |     |     |     |
| 8 1000 teabags have a mass of 4.2kg. Find the mass, in grams of<br>a 100 teabags<br>b one teabag.   | a 420g<br>b 4.2g       |     |     |     |     |     |
| 9 A shopkeeper bought six balls for £1.32 and sold them to make a total profit of 48p. For how much did he sell each ball?  | 30p                    |     |     |     |     |     |
| 10 A car uses 7l of petrol to travel 100km. How many litres are required for 1600km?  | 112l                   |     |     |     |     |     |
| 11 Three lines measure 0.04m, 47mm, 3.8cm. Find the difference between the longest and shortest lines.  | 9mm                    |     |     |     |     |     |
| 12 Find the mean average of these prices.<br><table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>26p</td><td>10p</td><td>25p</td><td>32p</td><td>17p</td></tr></table> | 26p                    | 10p | 25p | 32p | 17p | 22p |
| 26p   | 10p                    | 25p | 32p | 17p |     |     |