

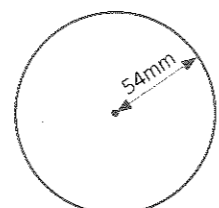
SECTION 2 | Test 9

Schofield & Sims

- | A | Answer |
|--|-----------------|
| 1 Write in digits one hundred and four thousand. | 104000 |
| 2 $£1.11 + 8p + 9p + 24p =$ | £1.52 |
| 3 $0.35 =$ thousandths | 350 thousandths |
| 4 $2.8l - 630ml =$ ml | 2l 170ml |
| 5 $350g \times 5 =$ kg | 1.75kg |
| 6 $\frac{57}{100}$ of £500 = | £285 |
| 7 $7m 28cm \div 8 =$ cm | 91cm |
| 8 $297 + 103 = 40 \times$ | 10 |
| 9 $1 - (\frac{3}{10} + \frac{2}{5}) =$ | $\frac{3}{10}$ |
| 10 $8 \times 7 =$ $\times 0.1$ | 560 |
| 11 $\frac{£14.42}{7} =$ | £2.06 |
| 12 a $\frac{1}{4} = 0.25 =$ % | a 25% |
| b $\frac{3}{4} = 0.75 =$ % | b 75% |

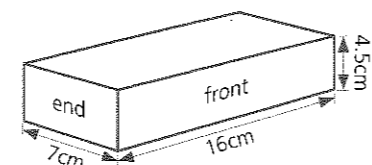
- | B | Answer |
|---|----------------|
| 1 Write as decimal fractions. a $\frac{3}{20}$ | a 0.15 |
| b $\frac{8}{25}$ | b 0.32 |
| 2 What is the difference in grams between $1\frac{3}{4}$ kg and 950g? | 800g |
| 3 What length when divided by 6 is equal to 2m 50cm? | 15m |
| 4 The three angles of a triangle each measure 60° . Describe the triangle according to | |
| a its angles | a acute-angled |
| b its sides. | b equilateral |
| 5 Find the value of | |
| a 50% of 650 | a 325 |
| b 25% of £0.72. | b 18p |
| 6 How many times is 200ml contained in 2.8l? | 14 |
| 7 Approximate to the nearest centimetre. | |
| a 20.3cm | a 20cm |
| b 79mm | b 8cm |
| 8 Write 2017 using Roman numerals. | MMXVII |
| 9 Find the length in metres which is equal to the digits underlined. $6.5\underline{3}5$ km | 35m |
| 10 At 75p per $\frac{1}{2}$ kg find the cost of | |
| a 100g | a 15p |
| b 300g. | b 45p |
| 11 Find in centimetres the perimeter of a rectangle which is 65mm long and 30mm wide. | 19cm |
| 12 a $0.1 =$ % | a 10% |
| b $0.4 =$ % | b 40% |

- | C | Answer |
|--|---------------|
| 1 18% of the people at a cinema were men, 39% were women and the rest were children. What percentage were children? | 43% |
| 2 Katie went on holiday on 29 July and returned on 7 August. For how many days was she on holiday? | 10 |
| 3 Josh saved $\frac{1}{4}$ of his pocket money and spent $\frac{1}{2}$ of the remainder. What fraction did he spend? | $\frac{1}{4}$ |
| 4 The population of a small town was ten thousand. 50% of the people were under the age of 25. How many was that? | 5000 |

5  What is the length in centimetres of the longest straight line that can be drawn inside this circle?

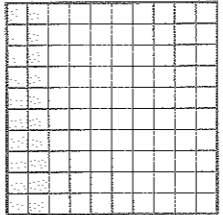
10.8cm

- | | |
|---|--------------|
| 6 50% of a sum of money was £7.00. Find the whole sum of money. | £14 |
| 7 How many packets each containing 0.2kg can be made from 35kg? | 175 |
| 8 A milkshake contains 7 parts of milk and 1 part of syrup. How many millilitres of each are required to make 2l? | 1750ml 250ml |
| 9 Kai's walking pace measures 60cm. How many metres has he walked after taking 50 paces? | 30m |
| 10 The mass of 120kg of dry sand is increased when wet by 10%. Find its mass when wet. | 132kg |
| 11 A scooter costing £25 is reduced by $\frac{1}{20}$. Find | |
| a the price reduction | a £1.25 |
| b the new price. | b £23.75 |
| 12 Find the area of | |
| a the front | a $72cm^2$ |
| b the end | b $31.5cm^2$ |
| c the bottom of the box. | c $112cm^2$ |

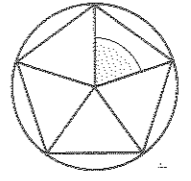
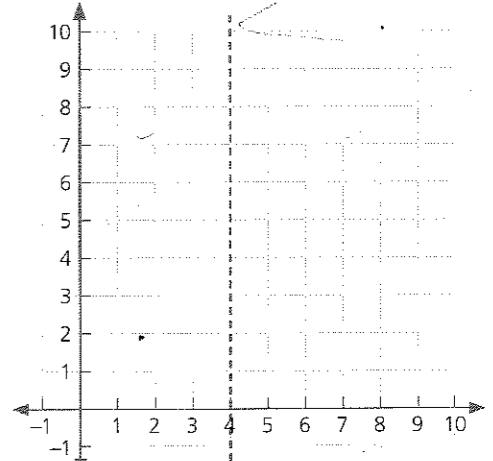
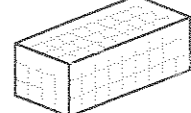


Mental Arithmetic 4 Answers

- | A | Answer |
|--|-------------------------|
| 1 $6009 + \dots = 8000$ | 1991 |
| 2 $£3.75 + £3.75 + £3.75 + £3.75 =$ | £15.00 |
| 3 $\frac{7}{20}$ of £2.00 = p | 70p |
| 4 $16\frac{2}{3} = \frac{\dots}{3}$ | $\frac{50}{3}$ |
| 5 $19min + \dots h \dots min = 3h$ | 2h 41min |
| 6 $\frac{11}{25} = \frac{\dots}{100} = \dots \%$ | $\frac{44}{100} = 44\%$ |
| 7 $£2.00 - (78p + 30p) =$ p | 92p |
| 8 $\frac{3}{10}$ of 1m 80cm = cm | 54cm |
| 9 $0.05 \times 8 =$ | 0.4 |
| 10 $\frac{2kg 400g}{5} =$ g | 480g |
| 11 a $0.7 =$ % | a 70% |
| b $0.9 =$ % | b 90% |
| 12 $0.09 \times 12 =$ | 1.08 |

- | B | Answer |
|--|---------------------------|
| 1  Write as a fraction, in its lowest terms, and then as a percentage, the part of the square which is | |
| a shaded | a $\frac{1}{100} = 1\%$ |
| b unshaded. | b $\frac{99}{100} = 99\%$ |
| 2 How many right angles are there in 270° ? | 3 |
| 3 By what length is 50.4km longer than $47\frac{1}{2}$ km? | 2.9km |
| 4 Increase £3.70 by 10%. | £4.07 |
| 5 How many millilitres must be added to 3050ml to make $3\frac{1}{4}$ l? | 200ml |
| 6 $\frac{1}{4}$ of a sum of money is 79p. What is 50% of the money? | £1.58 |
| 7 Round 3.595 to the nearest tenth. | 3.6 |
| 8 Write as a fraction and simplify. | |
| a 20% | a $\frac{1}{5}$ |
| b 2% | b $\frac{1}{50}$ |
| 9 Approximate to the nearest $\frac{1}{2}$ kg. | |
| a 7.65kg | a $7\frac{1}{2}$ kg |
| b 3850g | b 4kg |
| 10 Find the product of 0.2 and 0.3. | 0.06 |
| 11 a Write 20% as a decimal fraction. | a 0.2 |
| b What is 20% of one thousand? | b 200 |
| 12 Use the formula $A = lb$ to find the area of a rectangle when $l = 16.5$ cm and $b = 9$ cm. | 148.5cm ² |

SECTION 2 | Test 10

- | C | Answer |
|---|--------------|
| 1 Find the profit on a scarf which was bought for £8.35 and sold for £10. | £1.65 |
| 2 Two angles of a triangle each measure 78° . | |
| a Name the triangle. | a isosceles |
| b Find the third angle. | b 24° |
| 3 The line has been drawn to a scale 1mm to 10m. What distance in metres does it represent? | 780m |
| 4 40% of a sum of money is £36. Find | |
| a 10% of the sum of money | a £9 |
| b the whole sum of money. | b £90 |
| 5  a Name the regular shape drawn in the circle. | a pentagon |
| b What is the size of the angle shaded at the centre? | b 72° |
| 6 A bus runs every 35min starting at 07:40. At what time does the third bus leave? | 08:50 |
| 7 How many chocolates at three for 20p can be bought for £3.80? | 57 |
| 8 Write the coordinates of the point (2, 5) when it is reflected in the line $x = 4$. | (6, 5) |
| 9  Which year is represented in Roman numerals as MCMLXXXIV? | 1984 |
| 10 0.5kg of mushrooms cost £1.20. What is the cost of | |
| a 100g | a £0.24 |
| b 0.9kg? | b £2.16 |
| 11 This shape is built from centimetre cubes. Find its dimensions. | |
| a length | a 9cm |
| b width | b 4cm |
| c height | c 3cm |
| 12  How many centimetre cubes are used to build the block? | 108 |