

SECTION 2 | Test 9

Schofield & Sims

- | A | Answer |
|--|-----------------|
| 1 $700000 + \dots + 2000 + 50 = 712050$ | 10000 |
| 2 $8.5 - 7.05 =$ | 1.45 |
| 3 $2\frac{3}{4} \times 100 =$ | 275 |
| 4 $98^\circ + 134^\circ + \dots = 360^\circ$ | 128° |
| 5 $\pounds \dots \times 4 = \pounds 15.24$ | £3.81 |
| 6 $3.079 + \dots$ thousandths = 4 | 921 thousandths |
| 7 $(\pounds 1.08 \times 10) + (\pounds 0.07 \times 6) =$ | £11.22 |
| 8 $\frac{78}{x} = 3$. Find the value of x. | 26 |
| 9 $34.86 = 10 \times$ | 3.486 |
| 10 $\frac{4}{5} \times \frac{1}{2} =$ | $\frac{2}{5}$ |
| 11 $1160g \times 5 =$ kg | 5.8kg |
| 12 From 06.12.12 to 18.01.13 inclusive = days | 44d |

- | B | Answer |
|---|---------------------------|
| 1 Write 10 532 thousandths as a decimal. | 10.532 |
| 2 How much less than 10 tonnes is 9t 470kg? | 530kg |
| 3 55 miles \approx km | 88km |
| 4 Find in $^\circ\text{C}$ the difference between
a 6°C and -3°C
b -5°C and 4°C . | a 9°C
b 9°C |
| 5 Divide 117 by 8. Write the answer as a mixed number. | $14\frac{5}{8}$ |
| 6 Find the total of $(4 \times 16 \times 0)$ and $(4 \times 16 \times 1)$. | 64 |
| 7 How much is 5% of £250? | £12.50 |
| 8 The area of a rectangle is 1m^2 . The breadth is 50cm. Find the length in metres. | 2m |
| 9 10 plums cost £2.70. Find the cost of three. | 81p |
| 10 Write 12kg of 80kg
a as a fraction in its simplest form
b as a percentage. | a $\frac{3}{20}$
b 15% |
| 11 How many kilometres and metres are equal to 0.75 of 6km? | 4km 500m |
| 12 Find in kilograms the mean mass.
2.1kg 0.75kg 2.25kg 4.9kg | 2.5kg |

- | C | Answer |
|---|------------------------------|
| 1 ABCD is a quadrilateral. Find $\angle ABC$. | 69° |
| 2 How many 40cm lengths can be cut from a 10m roll of tape? | 25 |
| 3 Using a scale of 1mm to 0.5m, what length of line would represent 3m? | 6mm |
| 4 The correct time is 12.05 a.m. | Y 18min fast
Z 21min slow |
| How many minutes fast or slow is each of the 24-hour clocks? | |
| 5 600 sheets of paper are used from five packs each holding 480 sheets. How many sheets are left? | 1800 |
| 6 The diagram is a plan of a field. Find the area of the field in m^2 . | 30000m ² |
| 7 $P = \{7, x, y, 17, z, 23\}$
$P =$ the set of prime numbers between 6 and 24. Find the value of x, y and z. | x 11
y 13
z 19 |
| 8 There are 65l of diesel in a tractor tank. If the fuel is used at the rate of 15l per hour, for how many hours and minutes can the tractor be used? | 4h 20min |
| 9 The area of the two given rectangles is 24cm^2 . Find the length and breadth of two other rectangles X and Y each of which has an area of 24cm^2 and whose sides are whole centimetres. | X 6cm 4cm
Y 8cm 3cm |
| 10 A roll of material 2.5m long is cut into three equal pieces. Find to the nearest centimetre the length of one piece. | 83cm |
| 11 The cylinder holds 2l.
a How many millilitres of water are there in the cylinder?
b How many more millilitres are required to fill it? | a 1200ml
b 800ml |
| 12 Find the change from £10 after spending £2.46, £3.77 and £1.54. | £2.23 |

Mental Arithmetic 5 Answers

- | A | Answer |
|---|------------------|
| 1 miles \approx 56km | 35 miles |
| 2 $100 \times \dots = 59$ | 0.59 |
| 3 $\frac{\pounds 48}{100} = p$ | 48p |
| 4 $2\frac{5}{8} + \frac{3}{10} + 1\frac{3}{8} =$ | $4\frac{3}{10}$ |
| 5 $9\text{kg} = 7.355\text{kg} + \dots \text{kg}$ | 1.645kg |
| 6 $0.04 + 0.7 + 0.009 =$ thousandths | 749 thousandths |
| 7 $\pounds 0.09 \times 12 =$ | £1.08 |
| 8 a 7% of £13.00 =
b 19% of £8.00 = | a 91p
b £1.52 |
| 9 $557\text{ml} \times 6 =$ l | 3.342l |
| 10 $\frac{1\text{kg } 350\text{g} \times 2}{10} =$ g | 270g |
| 11 $\pounds 5.00 - (\pounds 2.46 + \pounds 1.59) = p$ | 95p |
| 12 $\frac{3}{5} \times \frac{2}{3} =$ | $\frac{2}{5}$ |

- | B | Answer |
|---|-------------------|
| 1 30 cookies cost £2.40. Find the cost of one. | 8p |
| 2 53.057 How many times smaller is the 5 marked y than the 5 marked x? | 1000 |
| 3 From the sum of £4.65 and £3.35 subtract £5.50. | £2.50 |
| 4 Find the difference in centimetres between 153mm and 6.6cm. | 8.7cm |
| 5 Approximate
a 15cm 7mm to the nearest 0.5cm
b 9kg 75g to the nearest 0.5kg. | a 15.5cm
b 9kg |
| 6 Find the product of $1\frac{2}{3}$ and 30. | 50 |
| 7 In how many years will the interest on £100 at 6% amount to £12? | 2 |
| 8 Find the difference between (17×10) and (1.7×10) . | 153 |
| 9 Write $\frac{21}{50}$ as a decimal fraction. | 0.42 |
| 10 The area of a carpet is 58.5m^2 . The length is 9m. Find the width. | 6.5m |
| 11 20l of lemonade is poured in equal amounts into 50 bottles. How many millilitres are there in each bottle? | 400ml |
| 12 An aircraft travels 180km in 15min. Find its speed in kilometres per hour. | 720km/h |

SECTION 2 | Test 10

- | C | Answer |
|--|--|
| 1 Ryan spent £1.40 which was $\frac{5}{6}$ of his money. How much had he at first? | £1.68 |
| 2 A family of four drink 2.5l milk every day. What is the average amount in millilitres for each person? | 625ml |
| 3 Meena's salary is £795.63 a month. Round this amount to the nearest £10 and then find her approximate annual salary. | £9600 |
| 4 Mary Brown was born in 1883 and died in 1967. How old was she when she died? | 84 |
| 5 The circumference of the circle measures 31.4cm. Its radius is 5cm. Find the perimeter of the semicircle. | 25.7cm |
| 6 A meal at a restaurant cost £40.00. A customer paid a tip of 8%. How much was the tip? | £3.20 |
| 7 Sweets cost 6p for 10. How many sweets can be bought for £1.14? | 190 |
| 8 Two of the angles in each of the triangles W, X and Y are given. Find the third angle in each triangle. | W 51°
X 49°
Y 50° |
| 9 The chart shows the distances travelled by a motorist in 3 hours. Find his average speed in kilometres per hour. | 90km/h |
| 10 The scale of a map is 1:10000. What distance in metres is represented on the map by
a 1mm
b 3.5cm? | a 10m
b 350m |
| 11 The shape is divided into a rectangle and a triangle. Find the area of
a the triangle
b the whole shape. | a 12.5cm ²
b 62.5cm ² |
| 12 The volume of the cuboid is 175cm^3 . Find its length. | 7cm |