Schofield & Sims

A — Answer

1. $60\,000 + 3000 + 70 + 8 =$ ___ 63 078
2. $5 \times 8 \times 7 =$ ___ 280
3. $8l\ 550ml - \frac{1}{4}l =$ ___ l ___ 8.3l
4. $\frac{5}{6}$ of £42 = ___ £35
5. a $3\frac{5}{8} = \frac{}{8}$ ___ a $\frac{29}{8}$
   b $6\frac{4}{5} = \frac{}{5}$ ___ b $\frac{34}{5}$
6. £7.30 + ___ 10ps = £10 ___ 27 10ps
7. 3650m = ___ km ___ m ___ 3km 650m
8. $180° - (86° + 64°) =$ ___ 30°
9. a $\frac{19}{50} =$ ___ % ___ a 38%
   b 0.64 = ___ % ___ b 64%
10. 5.08 = ___ thousandths ___ 5080 thousandths
11. $6^3 = 6 \times 6 \times 6 =$ ___ 216
12. £4.50 ÷ 7 = ___ p r ___ p ___ 64p r 2p

B — Answer

1. Write in words the number which is 400 less than 50 000.
   ___ forty-nine thousand six hundred
2. Find in £s the total of 18p, 16p, 25p, 9p. ___ £0.68
3. Change these improper fractions to mixed numbers.
   a $\frac{35}{6}$ b $\frac{63}{8}$ ___ a $5\frac{5}{6}$ b $7\frac{7}{8}$
4. Find the difference between three 50ps and the sum of twelve 5ps and six 2ps. ___ 78p
5. How many times is 25g contained in 4kg? ___ 160
6. Find the change from a €5 note after spending €2.03. ___ €2.97
7. Which of these numbers are factors of 56?
   | 2 | 3 | 5 | 7 | 9 | ___ 2 and 7
8. What percentage of 2l is 400ml? ___ 20%
9. Approximate
   a 29.56 to the nearest 10 ___ a 30
   b 180 370 to the nearest 1000. ___ b 180 000
10. What fraction in its simplest form is equal to
    a 95% b 0.04? ___ a $\frac{19}{20}$ b $\frac{1}{25}$
11. Find the cost of 700g at 90p per kilogram. ___ 63p
12. Find the area of a square with sides measuring 20cm each. ___ 400cm²

C — Answer

1. How many thousandths must be added to 9.073 to make 10? ___ $\frac{927}{1000}$
2. Find the change from £1.50 after buying 2kg of oranges at 36p per $\frac{1}{2}$kg. ___ 6p
3. Imran faces SE and turns clockwise through $1\frac{1}{2}$ right angles. In which direction is he now facing? ___ W
4. A car travels 40km in 30min. How many kilometres will it travel at this speed in $\frac{3}{4}$h? ___ 60km
5. A mango weighs 250g. How many mangos weigh 50kg? ___ 200
6. From the diagram find what fraction of all the employees are
   a men ___ a $\frac{3}{5}$
   b women. ___ b $\frac{1}{4}$
   c If the total number of employees is 400 how many are under 18? ___ c 60

Employees in a shop

7. Amy spends 30% of her money on a book and saves 60%. If she had 20p left how much had she at first? ___ £2.00
8. A square with sides measuring 20cm each is cut along both diagonals into four equal triangles. What is the area of each triangle in cm²? ___ 100cm²
9. A bus departs at 19:47 and arrives at its destination 1h 16min later. Write the time of its arrival. ___ 21:03
10. The area of a rectangular path is 75m². It is 50cm wide. How long is it in metres? ___ 150m
11. In seven weeks Katie saves £3.15. Find her mean average weekly savings. ___ 45p
12. The measurements of the box are given. Find the area of
    a both the sides ___ a 85cm²
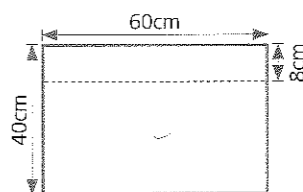   b both the ends ___ b 60cm²
    c the top and bottom. ___ c 102cm²

4
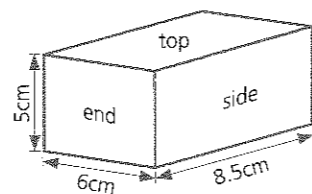
A — Answer

1. Write $10 \times 100 \times 100$
   a in digits ___ a 100 000
   b in words. ___ b one hundred thousand
2. £7.60 × 20 = ___ £152
3. $1 = \frac{1}{4} + \frac{3}{8} +$ ___ $\frac{3}{8}$
4. 10 − 6.32 = ___ 3.68
5. 320min = ___ h ___ min ___ 5h 20min
6. $\frac{4}{5}$ of £4.50 = ___ £3.60
7. 0.175l = ___ ml ___ 175ml
8. 25% of £7.00 = ___ £1.75
9. 2.4m + 55cm = ___ cm ___ 295cm
10. a 1% of £1 = ___ p ___ a 1p
    b 13% of £1 = ___ p ___ b 13p
11. 4050mm = ___ m ___ 4.05m
12. $\frac{3kg\ 420g}{6} =$ ___ g ___ 570g

B — Answer

1. Multiply the sum of 3.6 and 2.4 by 0.4. ___ 2.4
2. Give the date which is five months before 1 February. ___ 1 September
3. Which of these angles are
   a acute angles ___ a 47°, 89°
   b obtuse angles? ___ b 92°, 138°
   | 47° | 92° | 138° | 89° | 210° |
4. Three presents have a mass of 450g, 800g and 230g. Find their total mass in kilograms. ___ 1.480kg
5. By how many millimetres is 780mm greater than 0.5m? ___ 280mm
6. How many 20ps have the same value as £9.00? ___ 45 20ps
7. Write the answer to MD − DCCCXC in Roman numerals. ___ DCX
8. How many times is 0.625 less than 625? ___ 1000
9. Write as a percentage.
   a 17p of £1.00 ___ a 17%
   b 300g of 1kg ___ b 30%
10. 300ml cost 27p. Find the cost per litre. ___ 90p
11. Approximate
    a $10\frac{3}{10}$ to the nearest whole number ___ a 10
    b £13.52 to the nearest £. ___ b £14
12. Find the area of a rectangle measuring 7m long and 1.3m wide. ___ 9.1m²

C — Answer

1. By how many pence is thirteen 10ps less than the total of two 50ps and nine 5ps? ___ 15p
2. Of 300 children in a school, 43% were boys.
   a What percentage were girls? ___ a 57%
   b How many boys were there in the school? ___ b 129
3. Find the angle marked x. ___ 115°
4. A bucket holds 5l when full. Find the quantity of water in litres and millilitres when the bucket is $\frac{3}{4}$ full. ___ 3l 750ml
5. Which of these fractions is
   a the largest ___ a $\frac{3}{4}$
   b the smallest? ___ b $\frac{3}{5}$
   | $\frac{3}{5}$ | $\frac{3}{4}$ | $\frac{7}{10}$ | $\frac{13}{20}$ |
6. The attendance at a concert was 6843.
   a Approximate this number to the nearest thousand. ___ a 7000
   b Find the difference between the actual and the approximate numbers. ___ b 157
7. Sophie's home is 850m from school. How far in kilometres does she walk in a week of five days, making one return journey each day? ___ 8.5km
8. A card 60cm by 40cm is cut into strips each 8cm wide.
   a How many strips are cut? ___ a 5
   b Find the total length of the strips in metres. ___ b 3m
9. A box containing 60 marshmallows costs £3.68. Find the cost of 15 marshmallows. ___ 92p
10.
Dates of birth	
Josh	1.02.2014
James	1.10.2011

    Find the age in years and months of Josh and James on 1 September 2030.
    Josh ___ 16yr 7mth
    James ___ 18yr 11mth
11. Through how many degrees does the minute hand of a clock turn in 10 minutes? ___ 60°
12. How many centimetre cubes are needed to make this block? ___ 42

5