Schofield & Sims

A   Answer

1. $2083 - 80 =$ 2003
2. $6 + \frac{7}{10} + \frac{5}{1000} =$ 6.705
3. $2050mm =$ m   2.05m
4. $3h - 25min =$ min   155min
5. six 2ps + five 5ps + three 10ps =   67p
6. $78.5 \div 100 =$ 0.785
7. $\frac{4}{5} = \frac{80}{100}$
8. $0.5l - 345ml =$ ml   155ml
9. $27 + 18 =$ $\times 5$ 9
10. $1.8kg \div 3 =$ g   600g
11. $\frac{2}{3}$ of £3.60 =   £2.40
12. $\angle A =$ °   30°

B   Answer

1. Write as a decimal the total of eleven plus twenty-six thousandths.   11.026
2. Find a number which when multiplied by itself gives as the answer
   a 64   a 8
   b 49.   b 7
3. What is left after taking 17p from four 20ps?   63p
4. Write the decimal fraction which is equal to $\frac{3}{20}$.   0.15
5. How many minutes from 10.55 a.m. to 12.30 p.m.?   95min
6. By how many metres is 1.4km longer than 1250m?   150m
7. Find the difference between the largest and smallest of these decimals.
   | 3.4 | 3.401 | 3.41 | 0.01
8. What is left over when 68p is divided by 7?   5p
9. Multiply 4.05kg by 100.   405kg
10. Find the mean of these lengths.
    | 5.4cm | 4.6cm | 3.5cm | 4.5cm
11. What number is represented by CM in Roman numerals? Write your answer in digits.   900
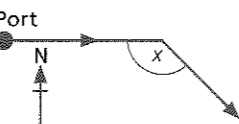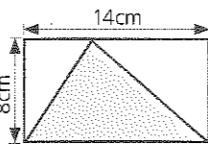12. How many times is 260.6 greater than 2.606?   100

C   Answer

1. Increase forty thousand by six hundred and three. Write the answer in digits.   40603
2. Multiply the product of 8 and 7 by 101.   5656
3. How many less than 578335 is the number
   a 8334   a 570001
   b 70305?   b 508030
4. Find the total of 285056 and 13501.   298557
5. A box contains 10 bottles of shampoo each having a mass of 223g. Find the total mass to the nearest $\frac{1}{2}$kg allowing 230g for the box.   2.5kg or $2\frac{1}{2}$kg
6. By how many hundredths is 0.82 more than $\frac{4}{5}$?   2 hundredths
7. | 250g | 100g |
   |------|------|
   | 62p | 25p |
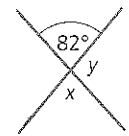   The prices of two different packets of jelly are given. How much is saved by buying the larger packets when purchasing 500g of jelly?   1p
8. Round each of these numbers to the nearest whole number.
   a 5.5   a 6
   b 199.71   b 200
   c 9.49   c 9
9. Which two of these fractions are each equal to $\frac{5}{6}$?
   | $\frac{15}{18}$ | $\frac{16}{20}$ | $\frac{10}{15}$ | $\frac{20}{24}$ | $\frac{15}{18}$ $\frac{20}{24}$
10.
    Port   SE is halfway between S and E. A ship sails east from port and then turns SE. Find the angle marked x.   135°
11. A rectangle measures 8cm by 6cm. What is the length of the sides of a square which has the same perimeter?   7cm
12.
    Find these measurements of the shaded triangle.
    a the base   a 14cm
    b the height   b 8cm

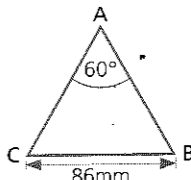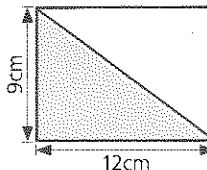Mental Arithmetic 4 Answers

A   Answer

1. $\frac{1}{4}$ of ten thousand =   2500
2. $6 \times 0 \times 9 \times 3 =$ 0
3. $0.9 + 0.1 =$ 1
4. $0.7 \times 2 =$ 1.4
5. $1632 \div 4 =$ 408
6. £5.00 – eight 5ps = £   £4.60
7. $\frac{35}{100} = \frac{7}{20}$
8. $400g +$ g = 0.75kg   350g
9. $2h\ 25min + 50min =$ 3h 15min
10. $3.5km - 2900m =$ m   600m
11. Write 1005 using Roman numerals.   MV
12.
    Angle x =   °   82°
    Angle y =   °   98°

B   Answer

1. Find the product of 0.4 and 9.   3.6
2. What is the answer in grams when 24.5kg is divided by 100?   245g
3. From 50 take 0.01.   49.99
4. After Christmas Day, how many days are there before New Year's Day?   6
5. Find the total of six 20ps and seven 10ps.   £1.90
6. Write 0.05 as a fraction with the numerator 1. $\frac{1}{20}$
7. Which of these numbers will divide into 81 without a remainder?
   | 2 | 3 | 5 | 6 | 9 | 3   9
8. Find the cost of 3.5l at 26p per $\frac{1}{2}$l.   £1.82
9. Which of these decimal fractions is equal to $\frac{3}{4}$?
   | 0.7 | 0.65 | 0.75 | 0.75
10. The length of a line is 15.6cm. Find half its length in millimetres.   78mm
11. $5.4 \div 6 = 0.9$. Write the answer to
    a $0.54 \div 6$ a 0.09
    b $0.054 \div 6$.   b 0.009
12. Two angles in a triangle added together make 124°. Find the third angle.   56°

C   Answer

1. Find the number which is equal to $(9 \times 10^2) + 6$.   906
2. How many 4p sweets can be bought for £6.00?   150
3. Find in metres the length of ribbon required to make 200 pieces each 8.3cm long.   16.6m
4. How much greater than 582482 is the number 884492?   302010
5. Midday temperatures on three consecutive days are 17°C, 15°C and 19°C. Find the mean temperature.   17°C
6. 1l of water has a mass of 1kg. Find the volume in litres of the water in a bottle if the water has a mass of 780g.   0.78l
7. An article priced at £4.20 was sold in a sale at a reduction of $\frac{1}{3}$. Find the sale price.   £2.80
8. On the chart each smiley face ☺ represents 50 pupils at a local school. How many pupils attend the school?   850
   ☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺☺
9. William found the mass of 10 shuttlecocks to be 95g. Find the mass in kilograms of 100 shuttlecocks.   0.95kg
10.
    ABC is an equilateral triangle. Find
    a its perimeter in centimetres   a 25.8cm
    b the size of the angles at B and C.   b 60°
11. Yasmin went shopping with a £5 note in her purse. She had left two 50ps, one 10p and six 2ps. How much had she spent?   £3.78
12.
    Find the area of
    a the rectangle   a 108cm²
    b each of the triangles.   b 54cm²