Schofield & Sims

A | Answer

1. $9000 + \blacksquare + 7 + 70 = 9777$ — 700
2. $3.01 \times 100 =$ — 301
3. $4.05 \div 9 =$ — 0.45
4. $(7 \times 7) = 100 - \blacksquare$ — 51
5. $(0.1 \text{ of } £1) + (0.01 \text{ of } £1) = \blacksquare p$ — 11p
6. $9^2 =$ — 81
7. $1\frac{1}{3} + \frac{5}{6} =$ — $2\frac{1}{6}$
8. $36p + 45p + 19p = £\blacksquare$ — £1.00
9. $\frac{7}{8} \text{ of } 72 =$ — 63
10. $1.1km - 640m = \blacksquare m$ — 460m
11. $50min + 28min + \blacksquare min = 2h$ — 42min
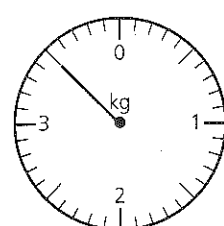12. $£19 \div 5 =$ — £3.80

B | Answer

1. Subtract 0.01 from 0.1. — 0.09
2. How many thousands equal fifty hundreds? — 5 thousands
3. Find how many
   a centimetres
   b millimetres there are in 0.7m. — a 70cm b 700mm
4. $\frac{1}{2}$kg costs 20p. Find the cost of
   a 100g
   b 800g. — a 4p b 32p
5. By how much is 99p less than twenty-four 5ps? — 21p
6. Multiply £5.09 by 7 and write the answer to the nearest £. — £36.00
7. Write as a decimal fraction.
   a $\frac{1}{5}$
   b $\frac{1}{50}$ — a 0.2 b 0.02
8. Find the difference between $(4.0 + 6.0)$ and $(0.4 + 0.6)$. — 9
9. Change 1050p to £s. — £10.50
10. Add 6^2 and 4^2. — 52
11. Name
    a the sixth month
    b the ninth month of the year. — a June b September
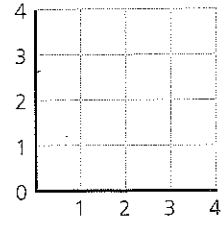12. How many pence are twenty-four 2ps more than nine 5ps? — 3p

C | Answer

1. Add 8.3 to 5.19 and write the answer to the nearest whole number. — 13
2. Bottle X holds twice as much as bottle Y. Write the amount bottle X holds in litres and millilitres. 1.7l — 3l 400ml
3. Which two of these fractions when added together equal
   a a whole one
   b one-tenth? — a 0.25 0.75 b 0.01 0.09

   | 0.49 | 0.01 | 0.25 | 0.09 | 0.75 |

4. Find the difference between a half of 18 and one-sixth of 30. — 4
5. 100 bags of popcorn each having a mass of 55g are packed in a box. The box has a mass of 500g. Find the total mass of the full box. — 6kg
6. What temperature is 12 degrees colder than 5°C? — −7°C
7. The mass of a bag of potatoes is shown on the dial. Find their cost at 30p per kilogram. — £1.05
8. Will scored 51 goals across three football matches. He scored 19 and 16 goals in his first two matches. How many goals did he score in his third match? — 16
9.

Monday	150km
Tuesday	150km
Wednesday	100km
Thursday	100km
Friday	100km

   A taxi driver travelled these distances in five days. What was the total distance travelled? — 600km
10. A square has vertices at (3, 0), (4, 3), (1, 4) and (x, y). What are the values of x and y? — (0, 1)
11. Find the total number of days in the last six months of the year. — 184
12. $\frac{28}{7} = \frac{36}{x}$ Find the value of x. — 9

Mental Arithmetic 3 Answers

A | Answer

1. $£1.45 + 86p = £\blacksquare$ — £2.31
2. $\frac{7}{8} + \blacksquare = 1\frac{1}{2}$ — $\frac{5}{8}$
3. $40.5 \div 10 =$ — 4.05
4. $2)\overline{£ \; 1.9\;3}$ $£\;x$ Find the value of x. — £3.86
5. $\blacksquare cm \times 10 = 1.40m$ — 14cm
6. $£3 - £\blacksquare = £0.72$ — £2.28
7. $117min = \blacksquare h \; \blacksquare min$ — 1h 57min
8. $0.4kg - \blacksquare g = 130g$ — 270g
9. $45 \div 9 = 40 \div \blacksquare$ — 8
10. $350ml \times 8 = \blacksquare l$ — 2.8l
11. $999 \times 3 =$ — 2997
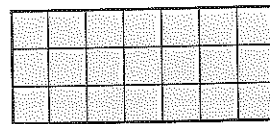12. $15km - 10.5km = \blacksquare m$ — 4500m

B | Answer

1. Write as a decimal: 403 hundredths. — 4.03
2. What fraction of 1 hour is 12 minutes? — $\frac{1}{5}$
3. How many 20ps are equal in value to £0.8? — 4
4. Find the difference between $(\frac{4}{7} + \frac{3}{7})$ and 7. — 6
5. Divide the sum of £3.50 and 75p by 5. — 85p
6. Write 10l 250ml to
   a the nearest litre
   b the nearest $\frac{1}{2}$ litre. — a 10l b $10\frac{1}{2}$l
7. Write each of these as an equivalent fraction with the denominator 5.
   a $\frac{15}{25}$
   b $\frac{60}{100}$ — a $\frac{3}{5}$ b $\frac{3}{5}$
8. What must be added to three 10ps and six 5ps to make 90p? — 30p
9. Subtract the shortest measurement from the longest.

   | 0.24m | $\frac{1}{4}$m | 1.0m | 120cm |

   — 96cm
10. What number is the Roman numeral C? — 100
11. Eight cricket bats each measure 65cm. Find their total length in metres. — 5.2m
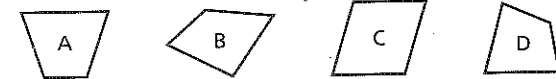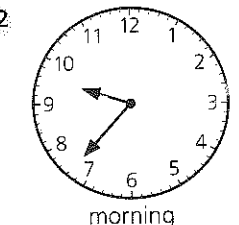12. 600ml cost 42p. Find the cost of 1l. — 70p

C | Answer

1. How many cereal packets, each containing 250g, can be made from 10kg of cereal? — 40
2. x y
   34.94 Find the difference between the 4 marked x and the 4 marked y. — 3.96
3. Each square represents 1 square centimetre.
   a Find the area of the rectangle in cm². — a 21cm²
   b Find its perimeter in centimetres. — b 20cm
4. How many ice creams, each costing 60p, can be bought for £4.80? — 8
5. Find the total value of the coins. — £3.70
   50p 20p 10p 5p
6. Which shape is
   a a rhombus
   b a kite
   c a trapezium? — a C b D c A
   A B C D
7. A car is 3350mm in length and a minibus is 3.5m long. By how many millimetres is the minibus longer than the car? — 150mm
8. The total length of the sides of an isosceles triangle is 840mm. The shortest side measures 240mm. Find the length of each of the other two sides. — 300mm
9. Ellie counts back seven from zero, then counts on four and then back six. What number does she end up on? — −9
10. 60p is made up of an equal number of 5ps and 10ps. How many 5ps are there? — 4 5ps
11. The widest point across a 10p coin measures 24.5mm. 10 coins are placed side by side in a straight line. Find the length of the line in centimetres. — 24.5cm
12. Write the time that is $4\frac{1}{2}$ hours after the time on the clock, using the 24-hour format. morning — 14:07