

Mental Arithmetic 3 Answers

A

Answer

- 1 $10.0 + 0.2 + 0.05 =$ 10.25
- 2 $£1.60 \div 4 =$ £0.40
- 3 $0.47 =$ 47 hundredths
- 4 $(0 \times 9) + 8 =$ 8
- 5 $(42 - 5) + (21 - 4) =$ 54
- 6 $250 + 350 + 400 =$ 1000
- 7 Round 5.5 to the nearest whole number. 6
- 8 Find $\frac{2}{3}$ of 27. 18
- 9 $2\frac{1}{4}$ min = 5 s 135s
- 10 $£6.09 +$ = £8.00 £1.91
- 11 $(81 \div 9) - (24 \div 3) =$ 1
- 12 $10000 - 100 =$ 9900

B

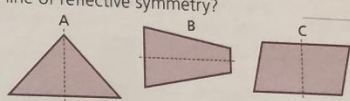
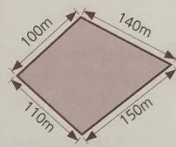
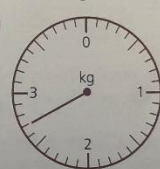
Answer

- 1 Write the total of 20 , $\frac{3}{10}$ and $\frac{9}{100}$ as a decimal. 20.39
- 2 Write these times using the 24-hour format.
a 3.57 a.m. a 03:57
b 2.20 p.m. b 14:20
- 3 Write as a decimal the number that is 100 times smaller than 6. 0.06
- 4 Multiply the sum of 7 and 5 by 10. 120
- 5 From £2 take the total of 58p, 42p and 36p. 64p
- 6 Decrease 10cm by 28mm. Give the answer in centimetres. 7.2cm
- 7 Write 3l 800ml to the nearest $\frac{1}{2}$ l. 4l
- 8 How many centimetres in
a 3.6m a 360cm
b 2.25m b 225cm
- 9 Find the cost of 750ml if $\frac{1}{2}$ l costs £0.74. £1.11
- 10 Divide the product of 14 and 9 by 6. 21
- 11 Arrange these digits to make the largest possible odd number.
4 0 9 1 9401
- 12 How many hundredths are there in
a $\frac{1}{2}$ a 50
b $\frac{1}{4}$ b 25
c $\frac{3}{4}$ c 75

SECTION 2 | Test 8

C

Answer

- 1 What decimal fraction of £1 is
a 10p a £0.1
b 1p? b £0.01
- 2 Which of these dotted lines is not a line of reflective symmetry?
 C
- 3 Max bought a toy car for £1.50 and a book for £1.99. How much change did he receive from a £5 note? £1.51
- 4 
a Find in metres the perimeter of the field. a 500m
b How many times round the field is equal to 3km? b 6
- 5 The train was due to depart at 3.45 p.m. It didn't leave until 16.20. How long was it delayed? 35min
- 6  The dial shows the mass of a parcel in kilograms and grams. How many grams less than $3\frac{1}{2}$ kg is the mass of the parcel? 800g
- 7 After spending one-quarter of his money, Thomas had 54p left. How much had he at first? 72p
- 8 Find the total cost of two packets of popcorn costing 35p each and six lollies costing 10p each. £1.30
- 9 There are 163 boys at a sports day and there are 37 more girls than boys. How many children altogether? 363
- 10 Put a decimal point in each of the numbers so that the value of the 8 is 8 units.
a 4386 a 438.6
b 2891 b 28.91
- 11 Katie has 17p and Emma has 25p. How much must Emma give Katie so that they each have the same amount? 4p
- 12 $\frac{3}{8}$ of a class of 24 children do not own a pet.
a What fraction of the class own a pet? a $\frac{5}{8}$
b How many children own a pet? b 15

SECTION 1 | Test 11

A

Answer

- 1m 50cm $\div 10 =$ cm 15cm
- $\frac{1}{2}$ kg + 375g = g 875g
- 7300 $\div 100 =$ 73
- $\frac{7}{8} + \frac{6}{8} =$ $\frac{13}{8}$ or $1\frac{5}{8}$
- $\pounds 3.00 - \pounds 1.13 =$ $\pounds 1.87$
- 450km - 360km = 90km
- $\pounds 2.47 + \pounds 1.63 =$ $\pounds 4.10$
- $1\frac{1}{2}$ m = mm 1500mm
- $(7 \times 8) - (5 \times 6) =$ 26
- 25mm $\times 8 =$ cm 20cm
- 10.24 a.m. to 12.10 p.m.
= h min 1h 46min
- $(\frac{1}{7} \text{ of } 42) - (\frac{1}{9} \text{ of } 18) =$ 4

B

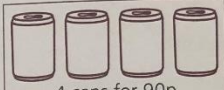
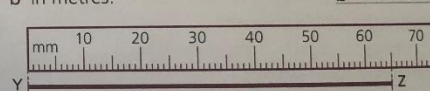
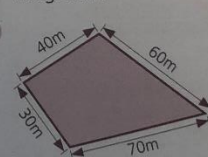
Answer

- Write seven-tenths as a decimal. 0.7
- Write the next two numbers in this sequence.
36, 48, 60, 72, , 84 96
- Find the total of $\pounds 2.36$ and $\pounds 0.99$. $\pounds 3.35$
- $\frac{9}{10}$ of a sum of money is $\pounds 45$.
Find the whole amount. $\pounds 50$
- Write 96 using Roman numerals. XCVI
- How many grams are there in $\frac{1}{10}$ kg? 100g
- What is the difference between 42 and 420? 378
- Six packets of crisps cost $\pounds 2.16$.
What is the cost of one? 36p
- Write 250mm in metres. $\frac{1}{4}$ m
- Add 2 times 9 to 5 times 9. 63
- If five crackers cost 30p, what will 15 cost? 90p
- In the number xy 9440 how many times greater is the 4 marked x than the 4 marked y ? 10

Schofield & Sims

C

Answer

- In a library there are 138 fiction books and 144 non-fiction books. How many books are there altogether? 282
- What fraction of 1 hour is
a 20 minutes $\frac{1}{3}$ h
b 40 minutes? $\frac{2}{3}$ h
- 8kg 500g is divided into 10 equal quantities. What does one of the quantities weigh? 850g
-  How much will 20 cans cost? $\pounds 4.50$
4 cans for 90p
- Write these fractions in descending order.
 $\frac{1}{8}$ $\frac{1}{6}$ $\frac{1}{10}$ $\frac{1}{12}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{8}$ $\frac{1}{10}$ $\frac{1}{12}$
- By how many metres is the sum of 870m and 650m more than $1\frac{1}{2}$ km? 20m
- Which number when multiplied by itself equals 64? 8
- Write the length of a line 100 times longer than the line YZ.
a in centimetres 650cm
b in metres. $6\frac{1}{2}$ m
-  70
- Lucy has three times as much as Jakob who has 45p. How much have they altogether? $\pounds 1.80$
-  This is a plan of a playground.
How many times must George run round it in order to run 1km? 5
- If $\frac{1}{2}$ kg of salt costs 40p, find the cost of
a 100g 8p
b 600g. 48p
- Put these decimals in descending order.
6.9 6.3 13.1 1.9 3.7
13.1 6.9 6.3 3.7 1.9

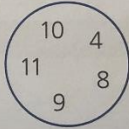
SECTION 2 | Test 3

- A** **Answer**
- 3800ml = l ml 3l 800ml
 - $£3.00 - £1.60 =$ £1.40
 - $£7 + \text{five } 10\text{ps} + 7\text{p} = £$ £7.57
 - seven 50ps = $£$ £3.50
 - $(8 \times 8) + 6 =$ 70
 - $\frac{1}{4}$ of 1m = cm 25cm
 - $705 - 40 =$ 665
 - From 9.05 a.m. to 10.25 a.m.
= min 80min
 - $49 \div 7 =$ 7
 - $6 \times 6 = 9 \times$ 4

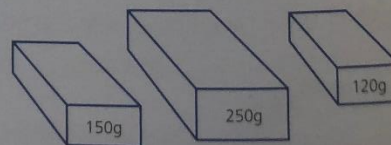
- B** **Answer**
- How many times larger is 900 than 9? 100
 - 7 plus 7 plus 7 plus 7 28
 - Write £1.44 to the nearest 10p. £1.40
 - What number when multiplied by itself becomes 64? 8
 - What is the difference between $\frac{1}{4}$ of 800 and $\frac{1}{5}$ of 1000? 0
 - Add 7 to the product of 6 and 9. 61
 - Round 582 to the nearest 10. 580
 - How much more is £2 than £1.13? £0.87
 - Find the total of £0.67 and 27p. £0.94
 - How much less than £2.70 are twenty-two 10ps? £0.50

- C** **Answer** Schofield & Sims
- $(0 \times 3) + (3 - 0) + (0 + 3) =$ 6
 - Find the change from nine 5ps after buying seven sweets costing 6p each. 3p
 - How many times greater is $\frac{5}{6}$ of 30 than $\frac{1}{6}$ of 30? 5
 - | BBC 1 | |
|-------|-----------|
| 11.30 | quiz show |
| 12.15 | cartoons |
| 12.35 | news |

How many minutes longer is the quiz show than the cartoons? 25mins
 - There were 400 pencils in a box. One-eighth of them were blue and the remainder red. How many were there of each colour? 50 blue 350 red

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Subtract the sum of the odd numbers from the sum of the even numbers. 2
- How many jelly sweets each weighing 5g are there in a box containing $\frac{1}{2}$ kg? 100
- By how many millimetres is a strip measuring 25cm longer than a strip measuring 220mm? 30mm
- How many grams heavier than $\frac{1}{2}$ kg is the total mass of the three boxes? 20g



- Write the missing signs +, -, × or ÷ in place of ● and ▲.
 $64 \bullet 8 = 6 \blacktriangle 2$

● ÷ ▲ +