

Mental Arithmetic 2 Answers

A Answer

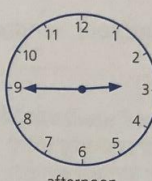
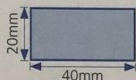
- 1 Write the missing numbers in this sequence.
2150, 2100, 2050, $\square$, $\square$ 2000 1950
- 2 $150 + 200 + \square = 600$ 250
- 3 $259 = \square \text{ tens} + 9$ 25 T
- 4 $£5.00 - £2.40 =$ £2.60
- 5 $£4.16 \div 4 =$ £1.04
- 6 $(8 \times 6) + 5 =$ 53
- 7 $£0.15 + £0.09 + £0.26 = \square \text{ p}$ 50p
- 8 $\frac{1}{2} \text{ kg}$ costs 10p.
Find the cost of 5kg. £1.00
- 9 $(8 \times 9) = 7 \text{ tens} + \square \text{ units}$ 2 U
- 10 $\frac{3}{4}$ of 24p = 18p

B Answer

- 1 How many sixes are equal to 42? 7
- 2 $4p \times 8 = \text{three } 10\text{ps} + \square \text{ p}$ 2p
- 3 $880\text{g} + 200\text{g} = 1\text{kg} + \square \text{ g}$ 80g
- 4 Divide £3.00 by 10. 30p
- 5 What is the total of 13, 14 and 15? 42
- 6 How many 1p coins have the same value as £4.56? 456 1ps
- 7 Subtract 150g from $\frac{1}{2} \text{ kg}$. 350g
- 8 How many times smaller is 54 than 540? 10
- 9 Decrease $1\frac{1}{2} \text{ m}$ by 80cm. 70cm
- 10 1kg costs 50p. $3\frac{1}{2} \text{ kg}$ cost $\square$. £1.75

SECTION 2 | Test 6

C Answer

- 1 How much more is 18p + 17p than $2 \times 15\text{p}$? 5p
- 2  The clock is 20 minutes slow. Write the correct time in digital form using a.m. or p.m. 3.05 p.m.
- 3  What is the missing number? 12
- 4  What is the distance round this rectangle? 120mm
- 5 Find the change from £3 after spending £1.40 and 80p. £0.80
- 6 There are 150 children in a school. Two-thirds of the children have school meals. How many children is that? 100
- 7 Which bag contains the most money? X

- 8 1kg costs 80p. What is the cost of
a $\frac{1}{4} \text{ kg}$ 20p
b $\frac{3}{4} \text{ kg}$ 60p
- 9 Write these decimals in order, from smallest to largest.

0.18	0.81	0.11	0.88
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0.11 0.18 0.81 0.88
- 10 Fairy cakes are 10 for 30p. How much will 100 cakes cost? £3.00

A

Answer

- 1 $25 + 5 + 16 + 4 =$ 50
- 2 $2009 - 10 =$ 1999
- 3 $85p \times 4 = \text{£} \square$ £3.40
- 4 $900\text{ml} + 870\text{ml} = \square \text{ l } \square \text{ ml}$ 1l 770ml
- 5 $\frac{18}{3} = \square$ whole ones 6
- 6 $30 - (7 \times 4) =$ 2
- 7 $2670\text{m} + \square \text{ m} = 3\text{km}$ 330m
- 8 $\text{£}2.58 \div 3 = \square \text{ p}$ 86p
- 9 $(15 - 6) + (33 - 4) =$ 38
- 10 Round 4.9 to the nearest whole number. 5
- 11 Find
 - a $\frac{1}{8}$ of 72 a 9
 - b $\frac{7}{8}$ of 72. b 63
- 12 $11 \times 11 =$ 121

B

Answer

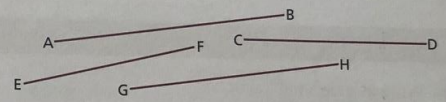
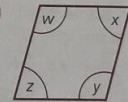
- 1 Write as a decimal fraction
 - a $\frac{3}{10}$ a 0.3
 - b $\frac{5}{10}$ b 0.5
- 2 How many hours and minutes in 95min? 1h 35min
- 3 Which three coins together equal 57p? 50p 5p 2p
- 4 Subtract 50 from 8000. 7950
- 5 Write 435cm to the nearest $\frac{1}{2}\text{m}$. $4\frac{1}{2}\text{m}$
- 6 If 10 stickers cost 32p, what will be the cost of 40 stickers? £1.28
- 7 What is the total of seven, twenty-nine and fourteen? 50
- 8 1kg costs £1.28. What is the cost of 250g? 32p
- 9 Add XXVII and XL and write your answer using Roman numerals. LXVII
- 10 How many grams must be added to 970g to make $1\frac{1}{2}\text{kg}$? 530g
- 11 Multiply the sum of 16 and 9 by 8. 200
- 12 Subtract 8 from the product of 9 and 7. 55

SECTION 2 | Test 2

C

Answer

- 1 Continue the sequence.
16, 12, 8, 4, 0, $\square$, $\square$ -4 -8
 - 2 Write, in 24-hour clock format, the correct time for each digital clock if
 - a clock X is 18min fast a 09:57
 - b clock Y is 25min slow. b 00:15
- 10 15
X

23 50
Y
- 3 Find the cost of $6\frac{1}{2}\text{m}$ of ribbon at 18p per metre. £1.17
 - 4 A tub of playdough has a mass of 450g. Find to the nearest kg, the mass of six tubs. 3kg
 - 5 Which line is parallel to the line AB? GH
- 
- 6 Jessica bought the following:
cupcake 45p, milkshake 65p.
How much change did she get from £2? 90p
 - 7  Which of the angles w, x, y, z are
 - a obtuse a w, y
 - b acute? b x, z
 - 8 What must be added to one-sixth of 48 to equal $\frac{1}{7}$ of 63? 1
 - 9 Find the difference between $(8 + 8 + 8 + 8)$ and 8 times 6. 16
 - 10 What is a half-share of the sum of six 5ps and eight 2ps? 23p
 - 11

Doughnuts
21p each
Six doughnuts
for £1.14

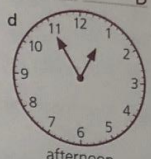
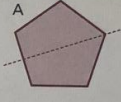
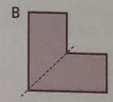
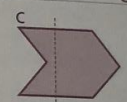
 How much is saved per doughnut by buying six doughnuts? 2p
 - 12 50 napkins are used on each of 5 days in a week. How many weeks will 2000 napkins last? 8

SECTION 2 | Test 11

A	Answer
1 $£2.26 + £1.87 =$	<u>£4.13</u>
2 $5.4\text{m} = \square\text{m} + 140\text{cm}$	<u>4m</u>
3 $(35 \div 7) \times (30 \div 6) =$	<u>25</u>
4 $3\text{l } 300\text{ml} - \frac{1}{2}\text{l} = \square\text{l } \square\text{ml}$	<u>2l 800ml</u>
5 $135\text{min} = \square\text{h } \square\text{min}$	<u>2h 15min</u>
6 $45\text{p} + 29\text{p} + \square\text{p} = £1$	<u>26p</u>
7 $(8 + 56) - (15 + 9) =$	<u>40</u>
8 $0.75\text{m} \times 100 =$	<u>75m</u>
9 $(40 \div 8) \times 7 =$	<u>35</u>
10 $2\text{kg } 750\text{g} + 900\text{g} = \square\text{kg } \square\text{g}$	<u>3kg 650g</u>
11 a $\frac{1}{4}\text{km} = \square\text{m}$	a <u>250m</u>
b $\frac{3}{4}\text{km} = \square\text{m}$	b <u>750m</u>
12 Find $\frac{5}{6}$ of 30l.	<u>25l</u>

B	Answer
1 Find the product of 7 and 18.	<u>126</u>
2 Find the number which is 100 times smaller than	
a 240	a <u>2.4</u>
b 37.	b <u>0.37</u>
3 Write as centimetres	
a 3.25m	a <u>325cm</u>
b 4.06m.	b <u>406cm</u>
4 How many grams more than $\frac{1}{2}\text{kg}$ is the sum of 280g and 270g?	<u>50g</u>
5 What must be added to 39 to make 57?	<u>18</u>
6 Decrease 43 by 16 and multiply the answer by 10.	<u>270</u>
7 From the sum of £1.17 and £1.33 subtract 60p.	<u>£1.90</u>
8 Find the remainder when 113 is divided by 6.	<u>5</u>
9 Write as a decimal fraction of a kilogram	
a 500g	a <u>0.5kg</u>
b 100g.	b <u>0.1kg</u>
10 One pencil costs 9p. Find the cost of 200 pencils.	<u>£18.00</u>
11 What is the perimeter of a rectangle 7m long and $6\frac{1}{2}\text{m}$ wide?	<u>27m</u>
12 How many newspapers each costing 40p can be bought for £8.00?	<u>20</u>

Schofield & Sims

C	Answer
1 Which two clocks show times that are ten minutes apart?	
a 	
b 	
c 	
d 	
2 How many 2ps have the same value as	
a twelve 5ps	a <u>30 2ps</u>
b three 50ps?	b <u>75 2ps</u>
3 Write all the numbers between 48 and 68 which can be divided by 7 without a remainder.	<u>49, 56, 63</u>
4 10 packets of rice have a mass of $1\frac{1}{2}\text{kg}$. Find the mass in grams of	
a one packet	a <u>150g</u>
b five packets.	b <u>750g</u>
5 Which of these dotted lines is not a line of reflective symmetry?	
A 	
B 	
C 	
6 Kathryn's sister gave her £1.45 to add to her savings and her father gave her £2.70. She then had £5. How much had she at first?	<u>85p</u>
7 Scooters are reduced by 10p per £1 off the original price. What is the new price?	<u>£16.20</u>
8 There are 186 pages in a book. Liam read 64 pages and then 56 pages. How many more pages has he to read?	<u>66</u>
9 Multiply the largest of these numbers by the smallest.	<u>9.9</u>
10 In a school bus of 32 children $\frac{3}{8}$ of them are 10 years old, $\frac{1}{2}$ are 9 and the rest are 8 years old.	
a What fraction of the children are 8?	a <u>$\frac{1}{8}$</u>
b How many children are 8?	b <u>4</u>
11 A website had 70 visitors each hour for 12 hours. How many visitors in total?	<u>840</u>
12 3kg of glitter cost £18.00. Find the cost of	
a 500g	a <u>£3</u>
b 750g.	b <u>£4.50</u>