

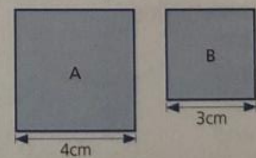
Mental Arithmetic 2 Answers

SECTION 2 | Test 2

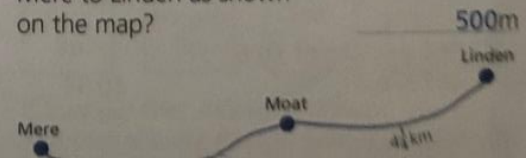
- | A | Answer |
|---|---------|
| 1 $670 \div 10 =$ | 67 |
| 2 $37 + 73 =$ | 110 |
| 3 $401 - 6 =$ | 395 |
| 4 $42 \div 7 =$ | 6 |
| 5 $8 \times 0 \times 7 =$ | 0 |
| 6 four 50ps + five 20ps = £ \square | £3 |
| 7 $\text{£}1.86 = \square \text{ 10ps} + 6\text{p}$ | 18 10ps |
| 8 $9\text{p} \times 8 = \square \text{ 10ps} + 2\text{p}$ | 7 10ps |
| 9 $\text{£}1.50 = \text{£}1.28 + \square \text{ p}$ | 22p |
| 10 $350\text{m} + \frac{1}{2} \text{ km} = \square \text{ m}$ | 850m |

- | B | Answer |
|---|----------|
| 1 Add 15 to 790. | 805 |
| 2 How many sevens are there in sixty-three? | 9 |
| 3 From 310 subtract 30. | 280 |
| 4 What is the cost of 5kg at 9p for 1kg? | 45p |
| 5 How much less than £1.50 is 70p? | 80p |
| 6 6m cost £3.00. What is the cost of 1m? | 50p |
| 7 Add 30 to 395. | 425 |
| 8 25cm multiplied by 8 = \square m | 2m |
| 9 Increase $\frac{1}{2}$ l by 600ml. | 1l 100ml |
| 10 Take 29p from 76p. | 47p |

- | C | Answer | | | | |
|---|------------------|-----|-------|---------|---------|
| 1 One-eighth of a number is 5. What is the number? | 40 | | | | |
| 2 Half a kilogram of cheese costs €2.80. What will be the cost of $\frac{1}{4}$ kg? | €1.40 | | | | |
| 3 These are two children's scores in three tests. How many more in total did Dylan score than Eva? | 3 | | | | |
| <table border="1"> <thead> <tr> <th>Eva</th> <th>Dylan</th> </tr> </thead> <tbody> <tr> <td>7, 9, 5</td> <td>8, 7, 9</td> </tr> </tbody> </table> | | Eva | Dylan | 7, 9, 5 | 8, 7, 9 |
| Eva | Dylan | | | | |
| 7, 9, 5 | 8, 7, 9 | | | | |
| 4 Divide the sum of 20 and 28 by 8. | 6 | | | | |
| 5 How many tenths are equal to | | | | | |
| a one-fifth | a $\frac{2}{10}$ | | | | |
| b three-fifths? | b $\frac{6}{10}$ | | | | |
| 6 $7 \overline{) \square \square} \frac{8}{\square \square}$ Find the missing number. | 56 | | | | |
| 7 By how much is $\frac{1}{3}$ of £1.50 less than $\frac{1}{2}$ of £1.20? | 10p | | | | |
| 8 By how many millimetres is the distance round square A greater than the distance round square B? | 40mm | | | | |



- 9 Sophie's birthday is in November. Jack's birthday is four months later. In which month is Jack's birthday? **March**
- 10 How many metres less than 10km is the distance from Mere to Linden as shown on the map? **500m**

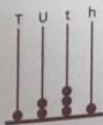


B 10. 47p

SECTION 2 | Test 7

A

Answer

- 1 Write as a decimal the number shown on the abacus. 12.31
- 
- 2 $50 - (6 \times 7) =$ 8
- 3 $(19 + 8) - (6 + 7) =$ 14
- 4 $\pounds 1.09 + 68\text{p} = \pounds$ 1.77
- 5 Find $\frac{3}{4}$ of 28kg. 21kg
- 6 One envelope costs 19p. Five envelopes cost \square p. 95p
- 7 Round 0.4 to the nearest whole number. 0
- 8 $1\frac{1}{4}\text{kg} - 700\text{g} = \square$ g 550g
- 9 $\pounds 1.49 + \pounds 1.49 + \pounds 1.49 =$ \pounds 4.47
- 10 $68 \div 7 = \square$ r \square 9 r 5
- 11 $0.6 + 1.8 + 0.5 =$ 2.9
- 12 $0.1\text{m} = \square$ cm 10cm

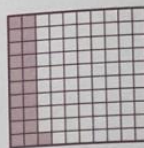
B

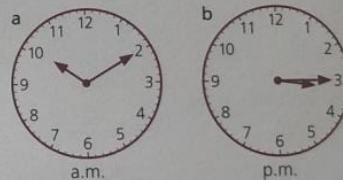
Answer

- 1 Write $\frac{6}{10} + \frac{8}{100}$ as a decimal fraction. 0.68
- 2 Multiply 6 by 47. 282
- 3 How many centimetres are there in 1.8m? 180cm
- 4 Change these clock times from the 24-hour format to the 12-hour format. Use a.m. or p.m.
- a 06:00 a 6.00 a.m.
- b 19:00 b 7.00 p.m.
- 5 Write 6kg 650g to the nearest $\frac{1}{2}$ kg. $6\frac{1}{2}$ kg
- 6 Subtract 0.03 from a whole one. Write the answer as a decimal fraction. 0.97
- 7 By how many millimetres is 10.0cm greater than 7.9cm? 21mm
- 8 Find the cost of 12 sweets if two sweets cost 5p. 30p
- 9 Find the difference between 30 multiplied by 10 and 30 divided by 10. 297
- 10 By how many grams is 5 times 250g less than 2kg? 750g
- 11 340.4 How many times larger is the 4 marked x than the 4 marked y? 100
- 12 How much greater is $\frac{7}{8}$ than $\frac{3}{4}$? $\frac{1}{8}$

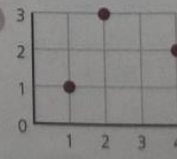
C

Answer

- 1  Write as a decimal fraction the part of the whole square which is
a shaded a 0.21
b unshaded. b 0.79
- 2 How much less than $\pounds 6$ is the sum of $\pounds 1.85$ and $\pounds 3.45$? 70p
- 3 If $4\frac{1}{2}\text{m}$ of string is divided into 25cm lengths, how many lengths will there be? 18
- 4 How many hundredths are equal in value to
a 0.4 a 40 hundredths
b 0.9? b 90 hundredths
- 5 A motor cyclist drove 84km in the morning and 143km in the afternoon. How much further did they travel to drive 250km? 23km
- 6 Clock A shows the time that Jake left home and clock B shows the time he returned. How many hours and minutes was he away? 5h 5min



- 7 How many parcels each with a mass of 100g will together have a mass of $3\frac{1}{2}$ kg? 35
- 8 By how many twelfths is $\frac{3}{4}$ greater than $\frac{2}{3}$? $\frac{1}{12}$
- 9 Find the change from a $\pounds 10$ note after buying six scarves costing $\pounds 1.25$ each. \pounds 2.50
- 10 Yasmin's sister pays $\frac{4}{5}$ of the cost of a bicycle. Yasmin pays the remainder. The cost of the bicycle is $\pounds 70$. How much does each pay?
Yasmin $\pounds 14$
Sister $\pounds 56$
- 11 200g of pasta costs 80p. Find the cost of $1\frac{1}{2}$ kg. \pounds 6.00

- 12  The three marked points are three vertices of a square. Write the coordinates of the fourth vertex of the square. (1, 2)

- | A | Answer |
|---|----------|
| 1 $£1.00 - 14p = \square p$ | 86p |
| 2 $15\text{mm} \times 10 = \square \text{cm}$ | 15cm |
| 3 $£1.50 + £2.60 =$ | £4.10 |
| 4 $5450\text{m} = \square \text{km} \square \text{m}$ | 5km 450m |
| 5 $27p \times 4 = \text{£} \square$ | £1.08 |
| 6 $\frac{1}{5}$ of $£3.00 = \square p$ | 60p |
| 7 Write 8 hundredths as a decimal. | 0.08 |
| 8 5 days = \square hours | 120h |
| 9 $(56 \div 7) - (9 \div 9) =$ | 7 |
| 10 $\frac{1}{2}\text{l} - 389\text{ml} = \square \text{ml}$ | 111ml |
| 11 $1\text{m} = \square \text{mm}$ | 1000mm |
| 12 $(9 \times 6) + (10 \times 5) =$ | 104 |

- | B | Answer |
|---|---------------|
| 1 Increase 57 by 35. | 92 |
| 2 Half of a sum of money is 49p. What is the whole amount? | 98p |
| 3 How many 10cm lengths are there in 5m? | 50 |
| 4 Multiply the sum of 5 and 4 by 8. | 72 |
| 5 How many pence in $\frac{3}{8}$ of 40p? | 15p |
| 6 $7 \times \square = 98$
Find the missing number. | 14 |
| 7 Write the time $\frac{1}{2}$ h before 12.05 a.m. Use a.m. or p.m. | 11.35 p.m. |
| 8 420 minus 80 equals 300 plus \square | 40 |
| 9 What is the cost of eight oranges if one orange costs £0.19? | £1.52 |
| 10 Find the difference between $\frac{1}{8}$ and $\frac{6}{8}$. | $\frac{5}{8}$ |
| 11 How much short of 3m is 265cm? | 35cm |
| 12 Write 81 using Roman numerals. | LXXXI |

- | C | Answer | | | | | | |
|---|---------------------------------|-----|-------|-----|-------|------|-----|
| 1 From the sum of 24 and 29 take 13. | 40 | | | | | | |
| 2 Arrange the digits 4, 0, 2, 5 to make the largest possible even number. | 5420 | | | | | | |
| 3 The distance round a square is 72cm. What is the length of one side? | 18cm | | | | | | |
| 4 Write the next two numbers in this sequence.
6, 4, 2, 0, \square , \square | -2 -4 | | | | | | |
| 5 How far is it from C to B? | 240m | | | | | | |
| | | | | | | | |
| 6 Write the total number of degrees of the four angles in a rectangle. | 360° | | | | | | |
| 7 What is the smallest number into which both 4 and 6 will divide exactly? | 12 | | | | | | |
| 8 A school was opened in 1958. How many years will the school have been open by the year 2020? | 62 | | | | | | |
| 9 If 1l of milk costs 70p, find the cost of
a 100ml
b 400ml. | a 7p
b 28p | | | | | | |
| 10 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>nine</td><td>2ps</td></tr> <tr><td>three</td><td>5ps</td></tr> <tr><td>seven</td><td>10ps</td></tr> </table> Kiera had these coins. How much more is needed to make her money up to £1.20? | nine | 2ps | three | 5ps | seven | 10ps | 17p |
| nine | 2ps | | | | | | |
| three | 5ps | | | | | | |
| seven | 10ps | | | | | | |
| 11 Write the missing signs +, -, x or ÷ in place of \bullet and \blacktriangle .
(12 \bullet 3) \blacktriangle 6 = 10 | $\bullet \div \blacktriangle +$ | | | | | | |
| 12 Which two coins are given in change from £2 after spending 83p and 66p? | 50p 1p | | | | | | |