$\qquad$ Class $\qquad$

Mark

- ANSWER ALL QUESTIONS.
- EACH QUESTION CARRIES 1 MARK.
- CALCULATORS, RULERS, PROTRACTORS AND OTHER MATHEMATICAL INSTRUMENTS ARE NOT ALLOWED.
- WRITE DOWN YOUR ANSWER ONLY IN THE SPACE PROVIDED.
- THIS PAPER CONTAINS 10 QUESTIONS.


## DO NOT WRITE IN THIS SPACE



Question \begin{tabular}{c|l|l|l|l|l|l|l|l|l|l|l|l|l|l|l||c|c||c|}

\hline 1 \& 2 \& 3 \& 4 \& 5 \& 6 \& 7 \& 8 \& 9 \& 10 \& 11 \& 12 \& 13 \& 14 \& 15 \& | Total |
| :--- |
| Main | \& Mental \& | Global |
| :--- |
| Mark | <br>

\hline \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline
\end{tabular}

Name $\qquad$ Class $\qquad$

## CALCULATORS ARE NOT ALLOWED

## ANSWER ALL QUESTIONS.

1. a)
a)
7.65
$+2.18$
b) $\begin{aligned} & \text { Fill in } \\ & +\end{aligned}$

| 7 | $\square 5$ |  |
| ---: | ---: | ---: |
| 2 | 5 | $\square$ |
| 9 | 9 | 0 |

c) Fill in

$$
8 \times \square+2=34
$$

d) Use all these figures | 1 | 2 | 3 |
| :--- | :--- | :--- | to make the largest odd number.

(4 marks)
2. a) Which 2 objects do I buy for exactly Lm1?
i) popcorn: 45 c
ii) ice cream: 65 c
iii) chocolate: 47 c
iv) drink: $\quad 35 \mathrm{c}$
b) How many degrees does the hand of the clock turn through when it goes from 1 to 4 ?

3.

a) Which is cheaper to buy, 1 large coffee tin or 2 small ones; and by how much?
b) Fill in

4.
4. a) 7 m
$-4 \mathrm{~m} 50 \mathrm{~cm}$
b) 15.302 kg
$\times 10$ -
c) 3 cm
5 mm $+5 \mathrm{~cm} 8 \mathrm{~mm}$
d) $10 \lcm{\mathrm{Lm} 92.40}$
$\qquad$
5. a) I start facing west and turn east. How many degrees do I turn through?

b) An aeroplane at A , is facing north. It turns $90^{\circ}$ anticlockwise. Mark its new direction on the diagram.

6. a) Fill in: $\frac{4}{15}+\frac{\square}{\square}=\frac{7}{15} \quad$ d) $\frac{37}{\square}=9$ rem 1
b) Write the next 2 numbers to continue
e) What is the value of the digit 2 in 34.25 ? the pattern: $2.5,2.6,2.7,2.8,-$
c) If $16 \times 11=176$ then $16 \times 55=$ $\qquad$
7. The diagram shows a square of side 6 cm .
a) Write the fraction that
i) is covered in dots $\qquad$
ii) is shaded

b) The area
i) of the whole diagram is $\qquad$ $\mathrm{cm}^{2}$.
ii) of the dotted square is $\qquad$ $\mathrm{cm}^{2}$.
8. a) Draw four more squares to show that the shape tessellates

b) Solid A is a cuboid.
i) How many vertices does the cuboid have?
ii) What is the volume of the cuboid?

iii) What is the area of the smallest face?
$\qquad$
9. a) $1.8 \mathrm{~km}=$ $\qquad$ m.
b) $500 \mathrm{~cm}=$ $\qquad$ m.
c) 537.284 correct to $\mathbf{2}$ decimal places $=$ $\qquad$ .
d) $25 \%$ of $360 \mathrm{~g}=$ $\qquad$ g.
e) $\frac{3}{4}$ of Lm5 in cents $=$ $\qquad$ c.
f) Write in order of size, smallest first:

$$
\frac{3}{4}, \quad \frac{3}{3}, \quad \frac{3}{8}
$$

$\qquad$ , $\qquad$ , $\qquad$ .

10 a) The figure shows the turtle at the starting position. The turtle moves from point $\mathbf{A}$ to point $\mathbf{D}$.
$A B=B C=C D=50$ turtle steps.
Fill in the missing commands.
FD 50


FD $\qquad$
RT 45
FD $\qquad$
b) The figure shows the turtle at the starting position. The turtle moves from point $\mathbf{X}$ to a point $\mathbf{Y}$.

Following this set of commands, draw a diagram to show how the turtle moves from point X to the point Y .

FD 40

LT 90


FD 80
11. a) Write the values of $p$ and $s$.
i) $p=$ $\qquad$
ii) $s=$ $\qquad$

b) Fill in the spaces below using words from this list:
vertically opposite, acute, reflex, right, revolution
i) $p, q, r$ and $72^{\circ}$ together form a $\qquad$ .
ii) Angles $p$ and $r$ are called $\qquad$ angles.
iii) Angle $s$ is called a $\qquad$ angle.
c) On the diagram mark a pair of parallel lines using arrows.

12 a) Write the coordinates of the points $\mathbf{B}$ and $\mathbf{D}$.
$\mathbf{B}=(\quad, \quad)$
$\mathbf{D}=(\quad, \quad)$
b) Plot and label the points $\mathbf{A}(0,0), \mathbf{C}(8,4)$
c) Join the points $\mathbf{A}, \mathbf{B}, \mathbf{C}$ and $\mathbf{D}$ to form a shape.
d) The lines $\mathbf{A C}$ and $\mathbf{B D}$ are called d $\qquad$
e) Mark a pair of equal angles on the shape.

13. a) Using ruler and compasses only, draw triangle $A B C$ in which $A C=10 \mathrm{~cm}, A B=6 \mathrm{~cm}$, $B C=8 \mathrm{~cm}$
b) Using a protractor measure angle $\mathbf{A}$

Angle $\mathrm{A}=$ $\qquad$
c) Triangle $\mathbf{A B C}$ is (scalene, isosceles, equilateral).
d) X is a point on AC . With centre $\mathbf{X}$ and radius 5 cm , draw a circle.
e) Write down the length of $\mathbf{B X}$.
$B X=$ $\qquad$ cm .

14. a) Complete
(i) 1 day $=$ $\qquad$ hours
(ii) 1 minute $=$ $\qquad$ seconds
b) What is the time shown on this clock face?

c) Show the time " a quarter to seven " on the clock face.

d) Write the time

15:30
as on a 12 hour clock. $\qquad$ (a. m. / p. m.)

15 This chart shows the daily income of a supermarket
a) Write down the incomes on
i) Monday $\qquad$
ii) Tuesday $\qquad$
iii) Thursday $\qquad$
b) On which 2 days were the incomes more than Lm 700?

$\qquad$ and $\qquad$ .
c) What is the difference between the highest and the lowest daily incomes?

