### PRIMARY SCHOOL ANNUAL EXAMINATIONS 2010
Directorate for Quality and Standards in Education
Educational Assessment Unit

**YEAR 5 MATHEMATICS**

**TIME: 1h 15min**

Name: ________________________________  Class: ________________

1. Fill in correctly:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>38 + 62 = [ ]</td>
</tr>
<tr>
<td>b)</td>
<td>0.7 + 0.3 = [ ]</td>
</tr>
<tr>
<td>c)</td>
<td>473 − 467 = [ ]</td>
</tr>
<tr>
<td>d)</td>
<td>808 − 70 = [ ]</td>
</tr>
<tr>
<td>e)</td>
<td>Fill in with TWO different even numbers greater than 10. [ ] + [ ] = 26.</td>
</tr>
<tr>
<td>f)</td>
<td>Double 4300 = [ ]</td>
</tr>
<tr>
<td>g)</td>
<td>Shade another TWO of the following numbers to make 17. [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]</td>
</tr>
<tr>
<td>h)</td>
<td>56 ÷ 8 = [ ]</td>
</tr>
<tr>
<td>i)</td>
<td>78 ÷ 6 = [ ]</td>
</tr>
<tr>
<td>j)</td>
<td>5 × 25 = 5 × 100 divided by [ ] = [ ]</td>
</tr>
<tr>
<td>k)</td>
<td>$\frac{3}{4}$ km = 500 m + [ ] m = 750 m.</td>
</tr>
<tr>
<td>l)</td>
<td><img src="image" alt="Weights" /> $\ldots$ g = 1 kg</td>
</tr>
</tbody>
</table>
2 a) Write the cost.

i) How much do 10 pencils cost? _______c

ii) How much do 100 pencils cost? _______c

b) Write how many glue sticks you can buy with these amounts.

i) €8 ___________________ glue sticks

ii) €16.80 ____________ glue sticks

3. a) The first arrow points to 50 on the number line.

i) Arrow A points to ______.

ii) Arrow B points to ______.

b) Fill in the missing numbers.

950, 800, ______, 500, 350, ______.
4.  

![Number Cards](image)

a) Use all these FOUR number cards to make:

i) the largest 4-digit number → ___________

ii) the smallest 4-digit number → ___________

iii) the 4-digit number nearest to 8000 → ___________

b) Round this number to its nearest 1000.

5864 → ___________

5. Look at the clock face.

![Clock Face](image)

a) How many minutes past the hour? ________ minutes

b) How many minutes to the next hour? ________ minutes
6 a) Join dots to make an equilateral triangle.

\[
\begin{array}{cccccc}
. & . & . & . & . & . \\
. & . & . & . & . & . \\
. & . & . & . & . & . \\
. & . & . & . & . & . \\
. & . & . & . & . & . \\
\end{array}
\]

b) Fill in:

An equilateral triangle has ___ equal sides.

7. Fill in the missing numbers.

\[
\begin{array}{cccc}
138 & \_ & \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\end{array}
\]

- Add 29
- Subtract 98
- Half the number
- Multiply by 4
8. a) Write the shape made from each net.

i) This is the net of a _________.

ii) This is the net of a _________.

b) What shape am I?
Choose from these shapes:

<table>
<thead>
<tr>
<th>cube</th>
<th>cylinder</th>
<th>pyramid</th>
<th>cone</th>
</tr>
</thead>
</table>

i) I have 2 edges, 3 faces and 0 vertices. I am a ________________.

ii) I have 8 edges, 5 faces and 5 vertices. I am a ________________.
9  a) **Use a ruler to measure the length** of these pencils.

i) [Diagram of a pencil with measurement]

____ cm

ii) [Diagram of a pencil with measurement]

____ cm

iii) The **total length** of the two pencils is _____ cm = [ ] m.

b) **Underline** to show the correct unit of length.

i) The length of a **classroom** is measured in (km, m, cm).

ii) The **distance from Marsa to Mosta** is measured in (km, m, cm).
10 a) Fill in.

\[ \text{50 c} = 2 \text{ coins of } _____ \text{c and 1 coin of } _____ \text{c.} \]

b) Paul saves 5 coins of \( \text{50 c} \) in one week.

i) Paul saves €________ in one week.

ii) It takes Paul __________ weeks to save enough money to buy this book.

\[ \text{€15} \]

11 a) The perimeter of this rectangle is 48cm.

The length of this rectangle is 16cm.

The breadth of this rectangle is _________ cm.

\[ \text{16cm} \]

b) The perimeter of a square is half the perimeter of the rectangle.

i) The perimeter of the square is _________ cm.

ii) The length of each side of the square is _________ cm.
12  a) Write the fraction.

\[
\frac{\square}{3} \text{ of } 60c = 20c
\]

b) Sara had 32 beads.
   Sara gave \( \frac{3}{8} \) of the beads to Pam.

i) Pam has \( \square \) beads.

ii) Sara has \( \square \) beads left.

c) Use these number cards to make a pair of equal fractions.
   Each number card can be used only once.

\[
\begin{array}{cccc}
3 & 5 & 6 & 10 \\
\end{array}
\]

\[
\frac{\square}{\square} = \frac{\square}{\square}
\]
13. This is a pictograph of the types of fruit a group of children prefer for their lunch.

<table>
<thead>
<tr>
<th>Favourite Fruit</th>
<th>Oranges</th>
<th>Apples</th>
<th>Strawberries</th>
<th>Kiwi</th>
<th>Grapes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oranges</td>
<td>[4]</td>
<td>[3]</td>
<td></td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>Apples</td>
<td>[5]</td>
<td>[4]</td>
<td>[3]</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>Kiwi</td>
<td>[2]</td>
<td></td>
<td></td>
<td>[1]</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Fill in:

a) The most popular fruit is ________________.

b) The number of children that prefer apples is ______.

c) Three more children prefer grapes to kiwi.

i) The number of children that prefer grapes is ______.

ii) Complete the pictograph to show the number of children that prefer grapes.
14 a) Paul uses straws to make these shapes:

- hexagon
- square

i) He needs ________ straws to make 3 hexagons and 5 squares.

ii) Paul has 60 straws.

   He uses all the 60 straws ONCE to make the same number of hexagons and squares.

   He makes _________ hexagons and _________ squares.
15 a) Write how many **millimetres** in each jug.

[Diagram showing two jugs with marked millilitres]

__________ml

__________ml

b) This **jerry can** holds **8 litres** of water.

[Diagram of a jerry can]

Tina uses **THREE** of these containers to fill the jerry can with **8 litres** of water.

A 1400ml

B 3l 200ml

C 2l 50ml

D 500ml

E 2750ml

**Write the THREE containers.**

__________  __________  __________
16. Fiona buys 3 pencils and 2 rubbers for €2·40.

The price of the pencil is double that of the rubber.

a) Fiona can buy _______ pencils with €2·40.

b) One pencil costs _______ c.

c) One rubber costs _______ c.

________________________________________________________________

END OF PAPER

<table>
<thead>
<tr>
<th>Marking Scheme</th>
<th>Nos.</th>
<th>1 a - l</th>
<th>12 × 2</th>
<th>=</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - 8</td>
<td></td>
<td>7 × 4</td>
<td></td>
<td>=</td>
<td>28</td>
</tr>
<tr>
<td>9 - 16</td>
<td></td>
<td>8 × 6</td>
<td></td>
<td>=</td>
<td>48</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>