



YEAR 4

WRITTEN MATHEMATICS

TIME: 1hr 15min

Name: _____

Class: _____

School: _____



Total
mark

| |
|----|
| 80 |
|----|

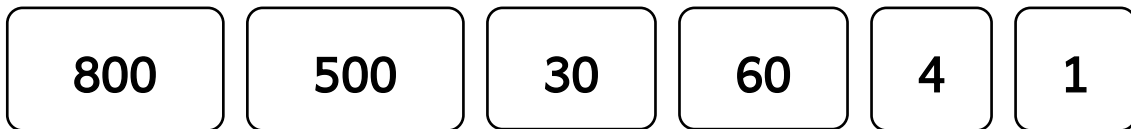
1. Fill in:

| | |
|----|--|
| a) | $9 + 6 = \square + 9$ |
| b) | $100 - 30 = \square$ |
| c) | $\square \times 3 = 24$ |
| d) | $25 \div 5 = \square$ |
| e) | Write the two missing numbers in the sequence . $367, 467, \square, 667, \square$. |
| f) | Put these numbers in order smallest to largest . $315, 513, 135, 351 \rightarrow \square, \square, \square, \square$. |
| g) | $9 \times 10 = \square$ $9 \times 100 = \square$ |
| h) | Put a circle around the odd numbers . $47, 30, 88, 73, 12$. |

| | |
|----|---|
| i) | Write the value of the underlined digit . $4\underline{6}2 \longrightarrow$ <input style="width: 50px; height: 25px; border: 1px solid black;" type="text"/> . $\underline{6}58 \longrightarrow$ <input style="width: 50px; height: 25px; border: 1px solid black;" type="text"/> . |
| j) | Work out the total number of sides of the shapes below. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 20px; margin-left: 20px;"> ___ sides </div> </div> |

(20 marks)

2. Look carefully at the **number cards**. Work out the questions below.
 Number cards can be used more than once.



- a) Use **3 cards** to make a **3-digit number** larger than 800. _____
- b) Use **3 cards** to make a **3-digit number** smaller than 600. _____
- c) Use **3 cards** to make an **even number** with **3 digits**. _____
- d) Use **3 cards** to make a **number between 800 and 850**. _____

(4 marks)

3. Fractions

a) What **fraction** of this shape is

(i) **shaded?**

(ii) **not shaded?**

b) **Shade** $\frac{1}{2}$ of this shape.

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

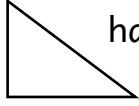
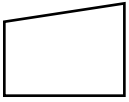
c) **Shade** $\frac{1}{4}$ of this shape.

(4 marks)

4. True or False

(4 marks)

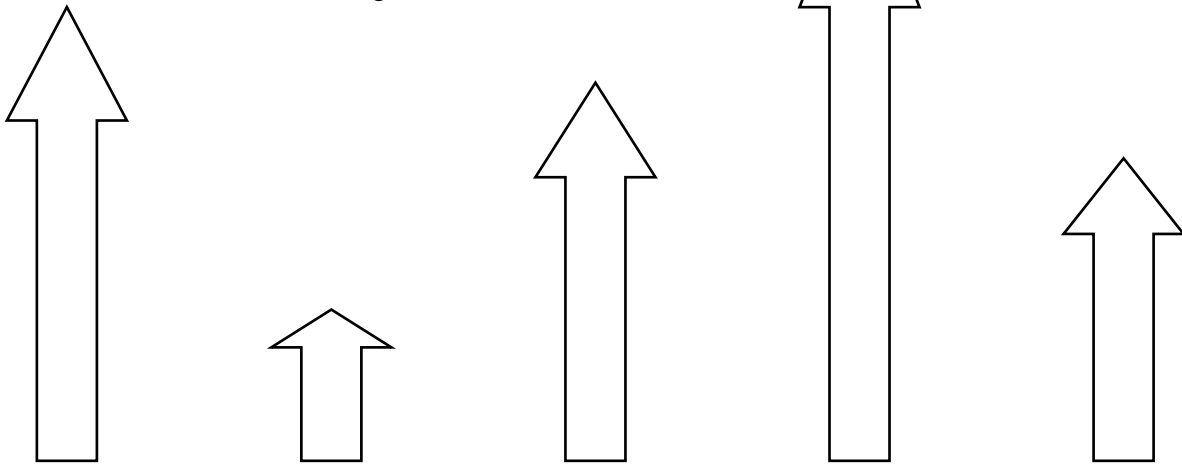
Tick (✓) the correct answer. The first one has been done as an example.

| | | True | False |
|----|---|------|-------|
| a) | A square has 2 right angles only. | | ✓ |
| b) | This triangle  has 3 right angles. | | |
| c) | This shape  has 2 right angles. | | |
| d) | A circle has 1 right angle. | | |
| e) | A rectangle has 4 right angles. | | |

5. Length

(4 marks)

Look at the following arrows.



| | | | | |
|---|---|---|---|---|
| A | B | C | D | E |
|---|---|---|---|---|

- a) Arrow B is the shortest one and arrow D is the longest.
Fill in to complete the table, shortest first.

| | | | | |
|---|--|--|--|---|
| B | | | | D |
|---|--|--|--|---|

- b) Use a ruler to measure the total length of arrows A, C and E.

| |
|--------|
| ___ cm |
|--------|

6. **Multiplication**

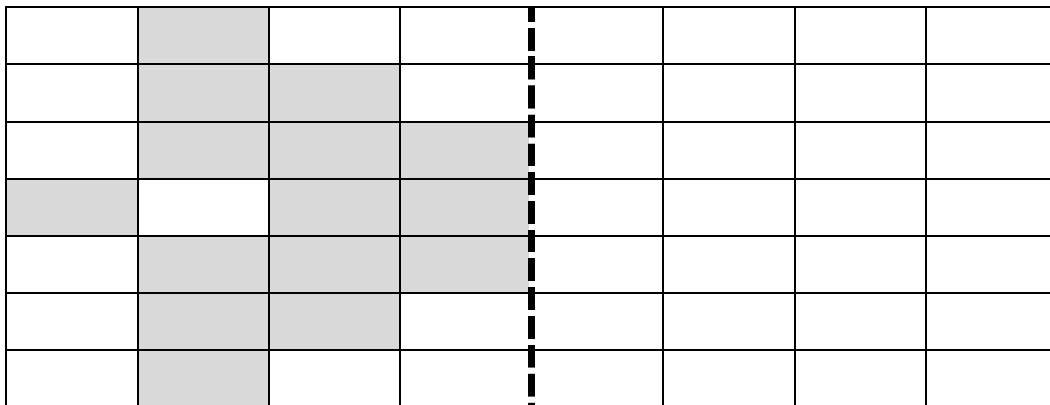
Fill in the table below with the missing numbers.

| | x | 2 | 3 | 4 | 5 |
|----|---|----|----|----|----|
| a) | 2 | 4 | | 8 | 10 |
| b) | 3 | 6 | 9 | | 15 |
| c) | 4 | 8 | 12 | 16 | |
| d) | 5 | 10 | 15 | 20 | |

(4 marks)

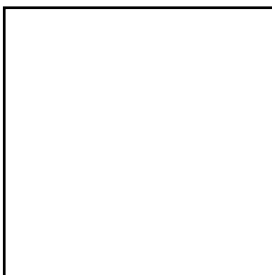
7. **Shapes and Symmetry**

a) Draw the **reflection** of the shape below.



b) Use a ruler to draw **all** the lines of symmetry on these shapes.

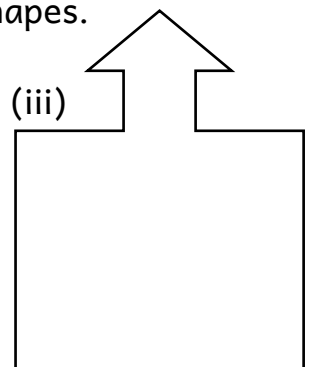
(i)



(ii)



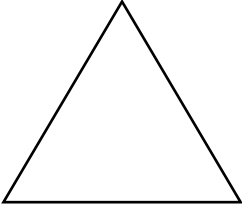
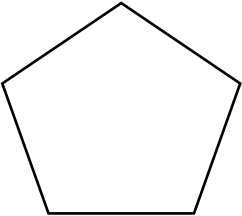

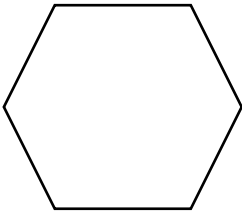
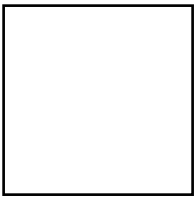
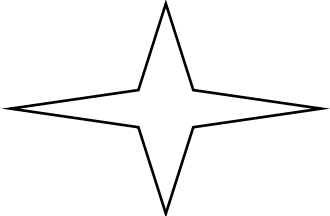
(iii)



(4 marks)












8. 2-d Shapes

Complete the information below about the properties of each **flat shape**.

| | Shape's name | 2-d shape | Number of sides |
|----|--------------|--|-----------------|
| a) | triangle |  | _____ sides |
| b) | _____ |  | 5 sides |
| c) | _____ |  | 4 sides |
| d) | _____ |  | 6 sides |
| e) | square |  | _____ sides |
| f) | octagon |  | _____ sides |

(6 marks)

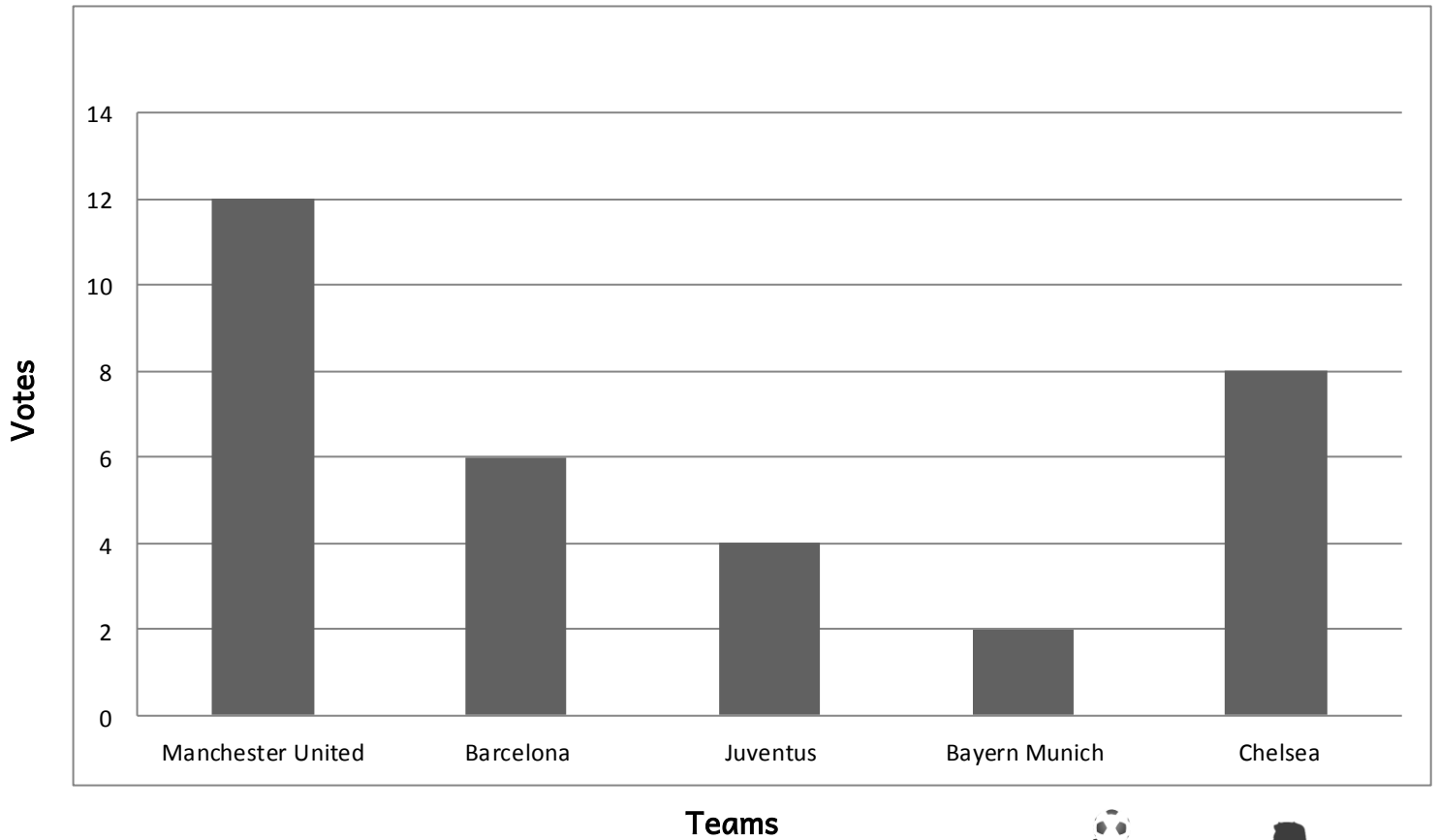
9. Direction – north, south, east, west
Look carefully at the map.

| | | | | | |
|---|---|---|--|--|---|
| church  | | | | hospital  |  |
| | | petrol station  | | | |
| school  | | | | coffee shop  | |
| | bank  | | | | police station  |
| bus stop  | |  | | supermarket  | |

- The direction from the coffee shop to the school is _____.
- The direction from the bank to the police station is _____.
- The hospital is to the _____ of the church.
- Go to **START**. Move **2 steps West**. There is the _____.
- Go to the **supermarket**. Move **3 steps North** and then **2 steps West**. You are now at the _____.
- Go to the **church**. Move **2 steps East** and then **3 steps South**. Mark with an **X** where you are. (6 marks)

10. Bar graphs

The Year 4 children vote for their favourite team. These are the results:



From the **bar graph** above:

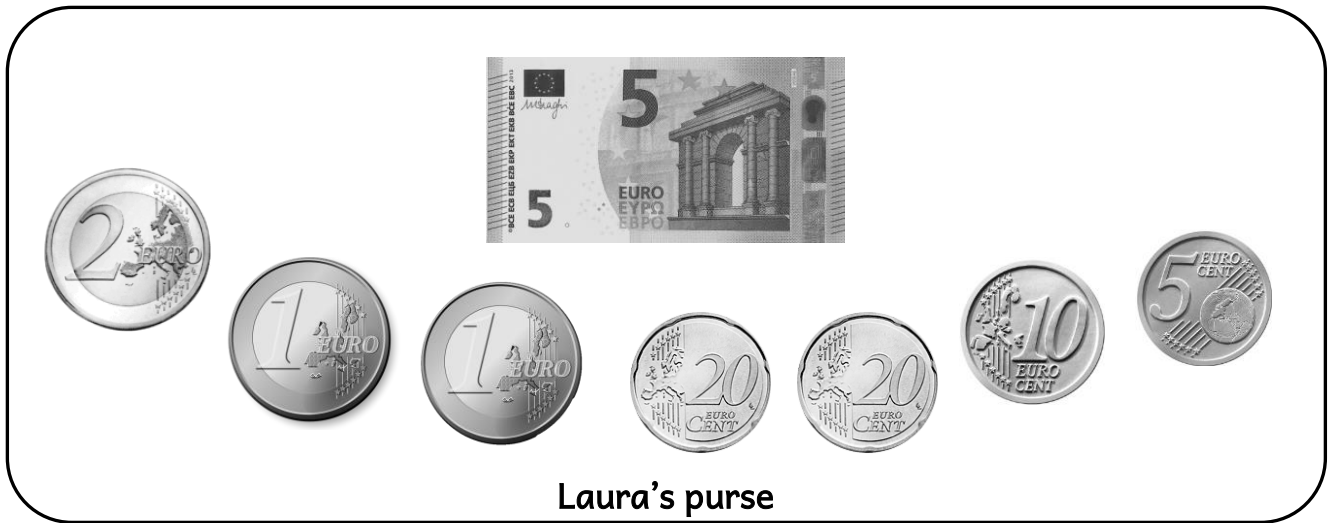
- a) Which is the **most popular** team? _____
- b) Which is the **least popular** team? _____
- c) How many **more** children support **Barcelona** than **Juventus**?

- d) The number of children supporting **Chelsea** is **double** the number of children who support _____
- e) What is the **total** number of supporters of **Manchester United** and **Bayern Munich**? _____
- f) How many children voted **altogether**? _____

(6 marks)

11. Money

This is the money in Laura's purse.



- a) What is the **total amount** of money that Laura has?

€ ____ . ____

- b) Tom wants to buy 2 books. Each book costs €4.20.

How much money does he **spend**?

€ ____ . ____

- c) Tom pays with a 10 euro note.

How much **change** will he get?



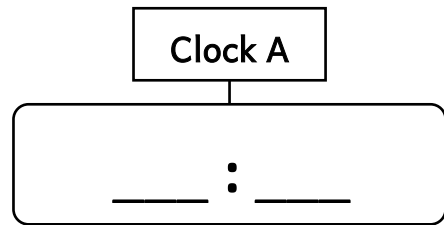
€ ____ . ____



(6 marks)

12. Time

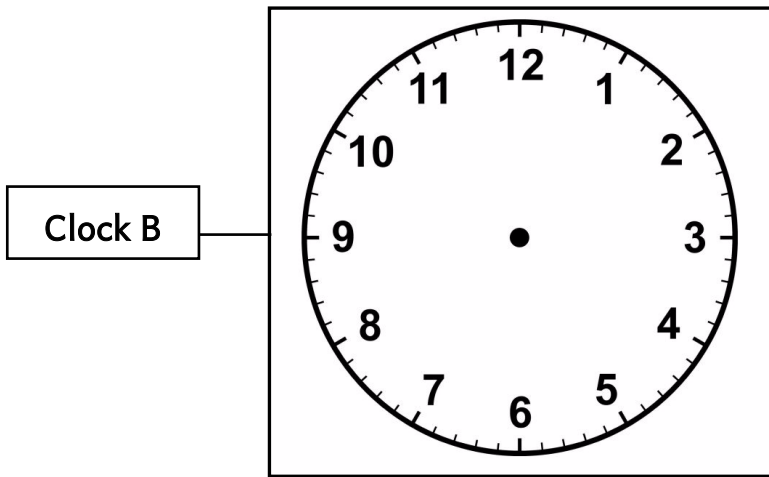
- a) Andrew wakes up at 7 o'clock.
Show this time on digital clock A.



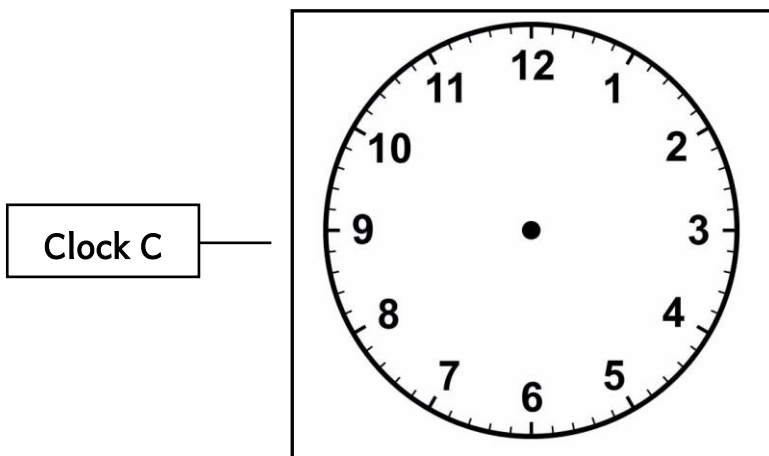
- b) He leaves home at 8 o'clock. It takes him 15 minutes to arrive at school.
At what time does he arrive?

(i) Write the time in words. _____

(ii) Show the time on the analogue clock B.



- c) Andrew reads for 45 minutes.
(i) Shade 45 minutes on analogue clock C.



- (ii) How many more minutes to make one hour? _____ minutes
(6 marks)

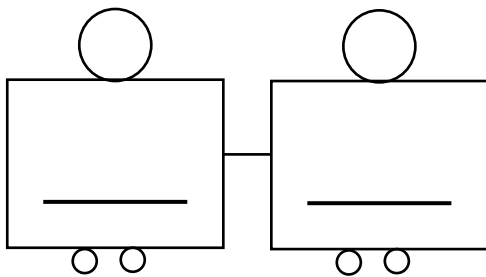
13. Pairs to 1000

Each child has a number card.

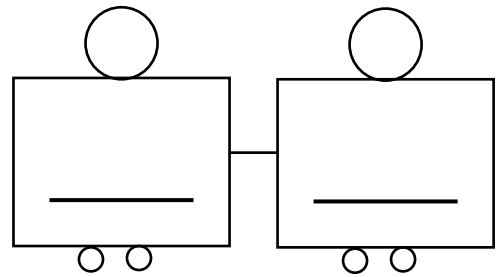
Use the **number cards** below **once**.

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 600 | 300 | 450 | 400 | 350 | 250 |
| 650 | 850 | 750 | 150 | 700 | 550 |

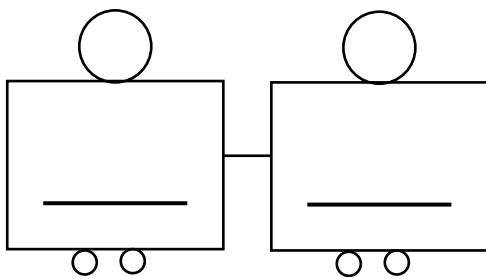
Pair children so that their **total** is **1000**.



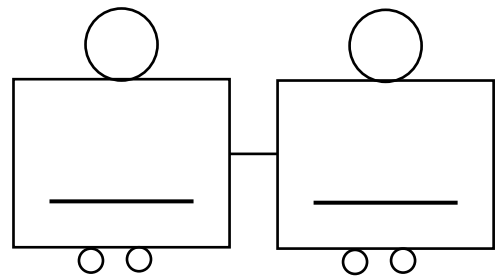
Pair 1



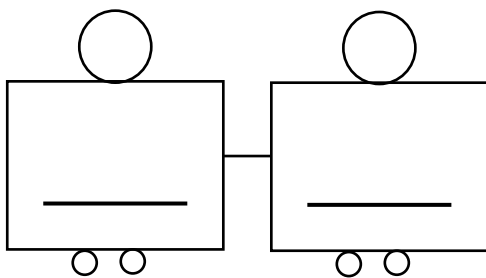
Pair 2



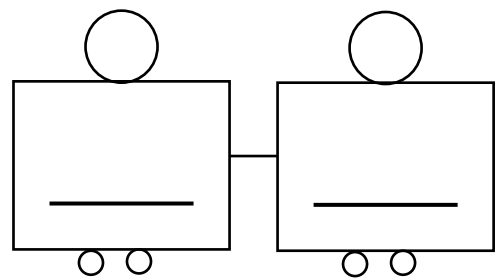
Pair 3



Pair 4



Pair 5



Pair 6

(6 marks)

END OF PAPER

| | | | | | |
|----------------|------|---------|--------|---|-----------|
| Marking Scheme | Nos. | 1 a - j | 10 × 2 | = | 20 |
| | | 2 - 7 | 6 × 4 | = | 24 |
| | | 8 - 13 | 6 × 6 | = | 36 |
| | | | TOTAL | | <u>80</u> |