

PRIMARY SCHOOL ANNUAL EXAMINATIONS 2010

Directorate for Quality and Standards in Education
Educational Assessment Unit

YEAR 6

MATHEMATICS

TIME: 1h 30min

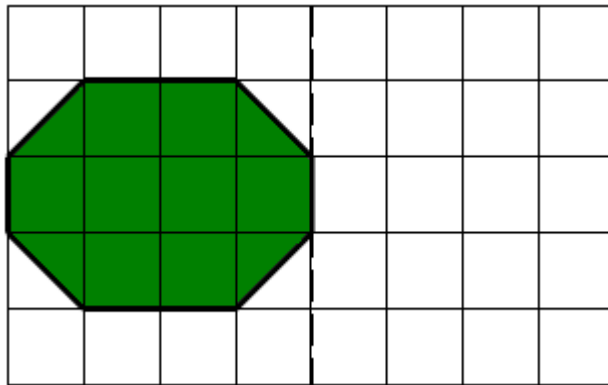
Name: _____

Class: _____

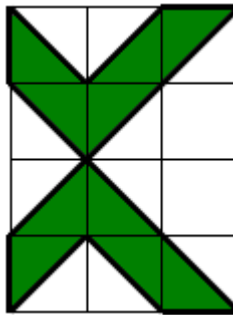
1. Fill in correctly:

a)	$11 + 89 = \boxed{}$.								
b)	$355 - 299 = \boxed{}$.								
c)	$12 \times 50 = \boxed{}$.								
d)	$35 \times 16 = 35 \times 8 \times \boxed{} = 560$.								
e)	36, $\boxed{}$, 42, 45, $\boxed{}$, 51.								
f)	Complete with different numbers less than 10 . $\boxed{8} + \boxed{3} + \boxed{} + \boxed{} = 21$.								
g)	$470 + \boxed{} = 1000$.								
h)	Write the missing fraction: <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th>Whole</th> <th>$\frac{1}{2}$</th> <th></th> <th>$\frac{1}{8}$</th> </tr> </thead> <tbody> <tr> <td>264</td> <td>132</td> <td>66</td> <td>33</td> </tr> </tbody> </table>	Whole	$\frac{1}{2}$		$\frac{1}{8}$	264	132	66	33
Whole	$\frac{1}{2}$		$\frac{1}{8}$						
264	132	66	33						
i)	$\boxed{} \div 18 = 3$.								
j)	3kg apples at $\boxed{}$ c per kilogram = €4.50								
k)	$9 \times 24 = \text{Double } \boxed{}$								
l)	The perimeter of a regular hexagon is 18cm. The length of each side is $\boxed{}$ cm.								

2 a) Draw the **reflection** of the shaded shape in the mirror line.



b) Draw the **mirror line** so that the shapes are reflections of each other.



3. The grid below shows numbers 41 to 80.

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

a) Write which **TWO** of these numbers are **multiples of 20**.

b) Write which **TWO** of these numbers are **multiples of both 3 and 7**.

4 a) Tick ✓ the calculation which gives the answer 45.

i) $95 \cdot 6 - 23 \cdot 1$

ii) $\frac{3}{5}$ of 75

iii) $19 \cdot 4 + 18 \cdot 6$

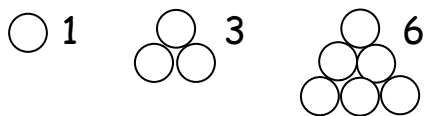
iv) $3 \cdot 75 \times 11$

b) Complete.

i) $64 \div 20 = \underline{\hspace{2cm}} \div 2 = 3 \cdot 2$

ii) $84 \times 7 = (80 \times 7) + (\underline{\hspace{2cm}} \times 7)$

5 a) Draw the next TWO triangular numbers.



b) Multiply the bottom two numbers to fill in the missing top number.

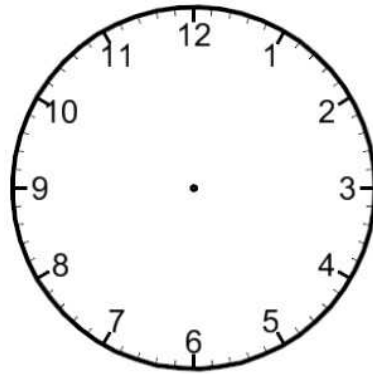
i)

8	93

ii)

7	86

6 a) Draw hands to show half past 2 on the clock face.

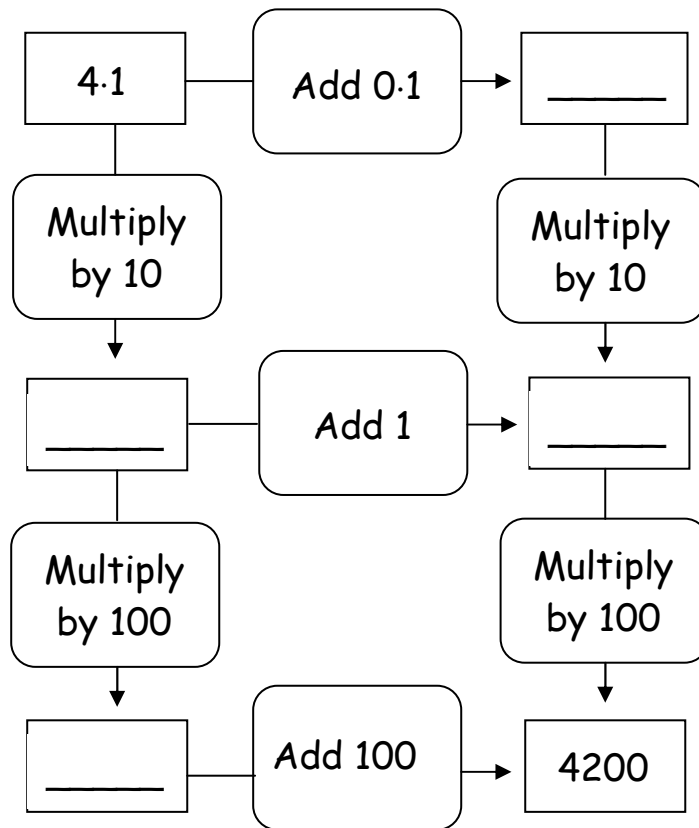


b) Use your protractor.

Measure the **smaller** angle between the hands of the clock.

_____ °

7. Complete.



8 a) Fill in with **the proper unit**.

Only **THREE** of the given units are correct.

metres	kilometres	millimetres	centimetres
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i) The length of a **new pencil** is about 17 _____.

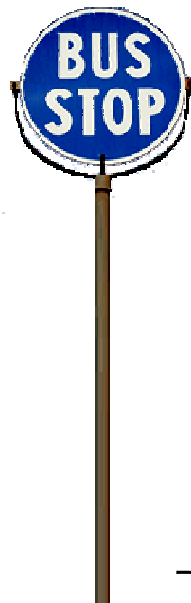
ii) The length of a **whiteboard** is about 3 _____.

iii) The **distance between Valletta and Cirkewwa** is about

30 _____.

b) Choose the **closest height**.

4.5m	1m	225cm
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9 a) Find the pairs.

440

339

877

925

415

313

i) _____ - _____ = 25

ii) _____ - _____ = 48

iii) _____ - _____ = 26

b) Multiply the numbers.

$$\boxed{7} \times \boxed{5.3} \quad \boxed{4} \times \boxed{8.6} \quad \boxed{6} \times \boxed{6.6}$$

The multiplication **closest** to 40 is $\boxed{} \times \boxed{.}$

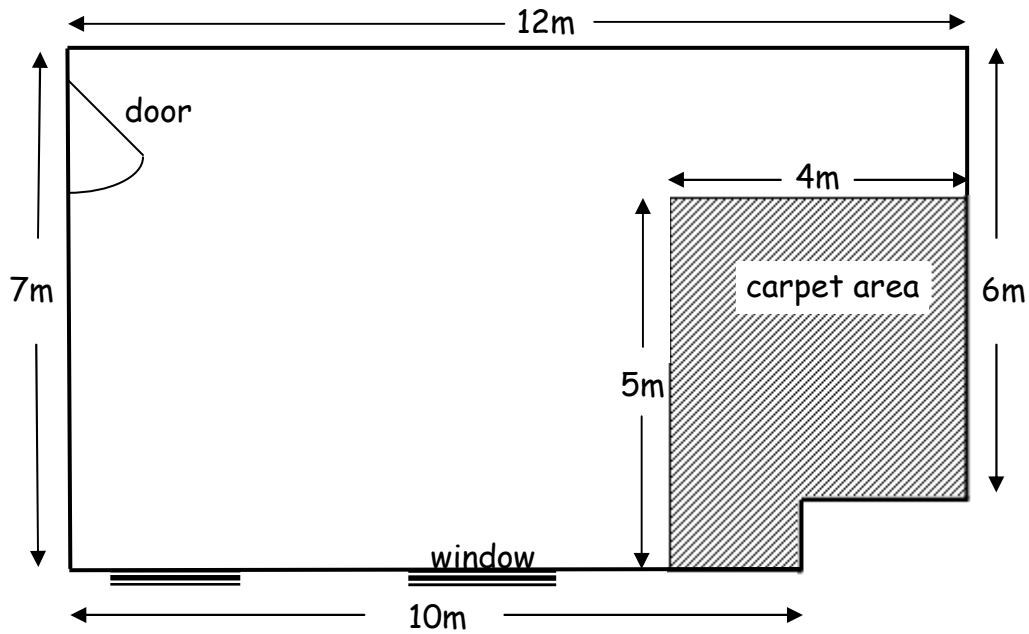
10 a) Write the fractions in order smallest first.

$$\frac{1}{2}, \frac{2}{6}, \frac{5}{12}, \frac{7}{8} \rightarrow \boxed{} \text{ , } \boxed{} \text{ , } \boxed{} \text{ , } \boxed{}$$

b) Solve the problem.

$\frac{4}{7}$ of a number is $\frac{1}{4}$ of 48. What is the number? _____

11. This is a floor plan of a classroom.



a) The **perimeter** of the classroom is _____m.

b) The **area** covered by the carpet is _____m².

12. a) Find the number.

The number is **smaller** than 30.

It is an **odd** number.

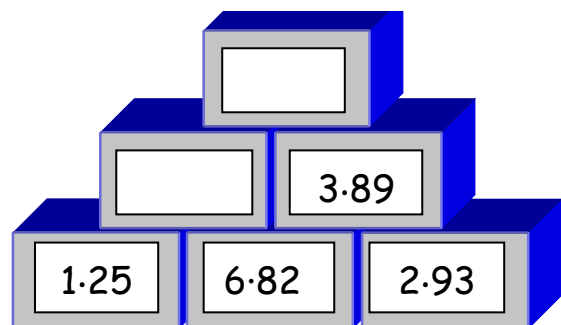
It is a **multiple** of 3.

5 is one of its **factors**.

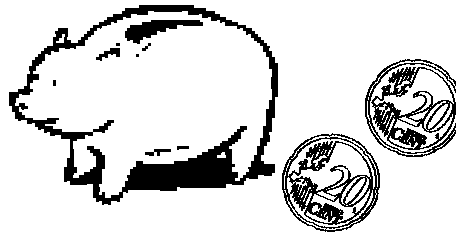
The number is .

b) The number in each block is the difference between the numbers in the two blocks directly below.

Fill in the missing numbers.

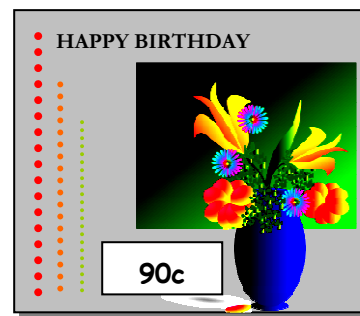
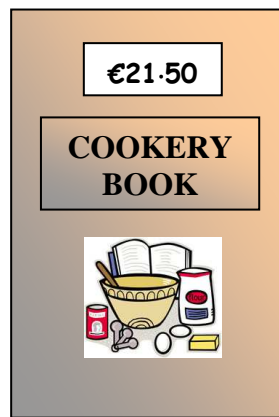


13. David saves 40 cent a day.



a) After 5 days he saves €_____.

b) He wants to buy a book that costs €21.50 and a birthday card that costs 90c.



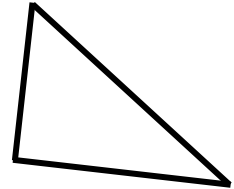
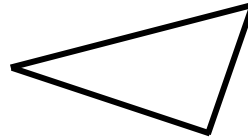
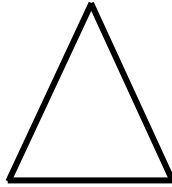
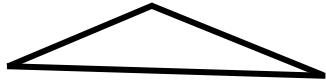
i) He needs €_____ to buy the **book** and the **birthday card**.

ii) After _____ **weeks** he has saved enough money to buy the book and the birthday card.

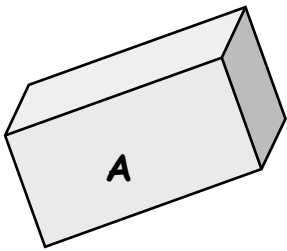
14 a)

i) An isosceles triangle has _____ equal sides.

ii) Tick (✓) to show the **isosceles** triangle.

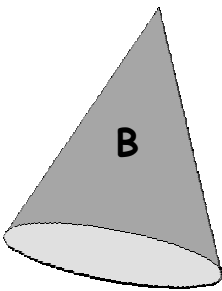


b) Fill in.



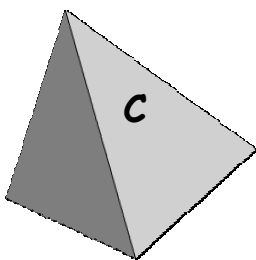
Shape A is a cuboid.

It has 6 faces, _____ vertices and 12 _____.



Shape B is a _____.

It has 2 faces, 1 vertex and 1 edge.



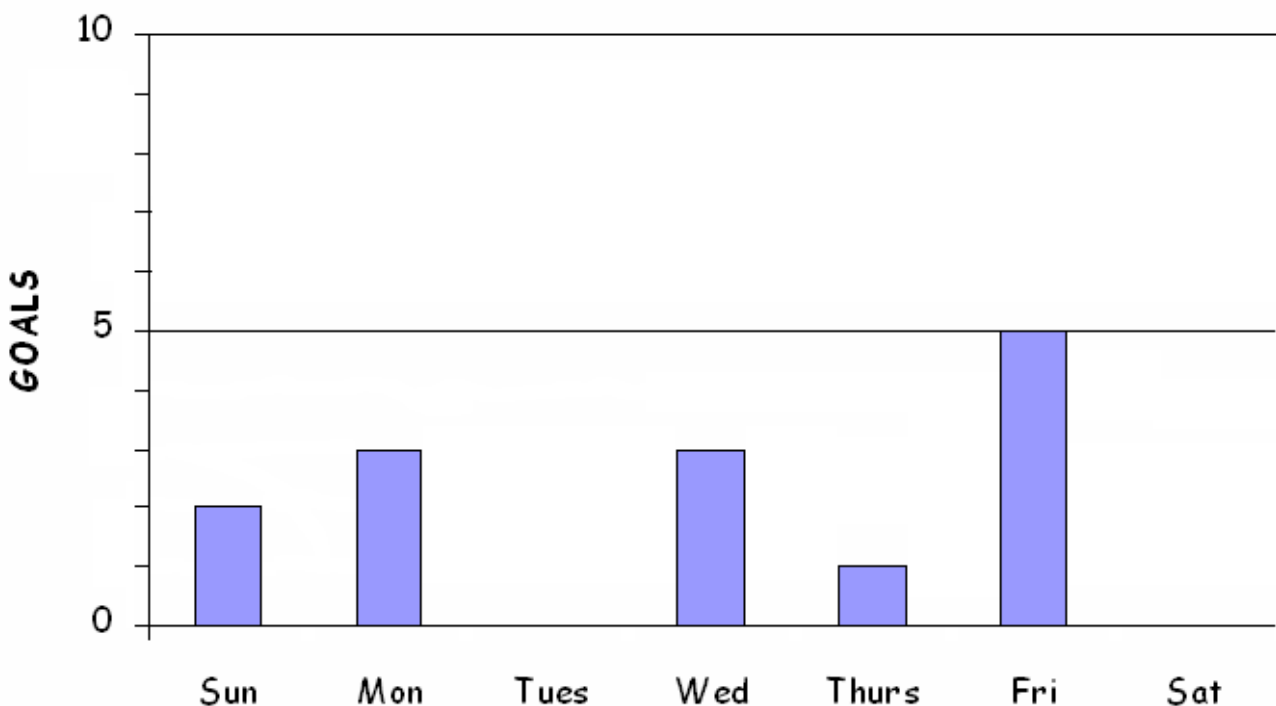
Shape C is a pyramid.

It has the **same** number of faces and _____.

15. The table shows the goals scored by a team in a week.
a) Fill in the missing number of goals.

Day	In the first Half	In the second Half	Total Number of Goals
Sunday	2	0	2
Monday	2		3
Tuesday	0	4	4
Wednesday	3	0	3
Thursday	1	0	1
Friday	3	2	5
Saturday		2	
Grand Total			24

- b) i) Complete the graph.




- ii) On which **days** did the team score the same number of goals?


_____ and _____

16. Kate, Sam, Bernice and Ruben have a bag each.

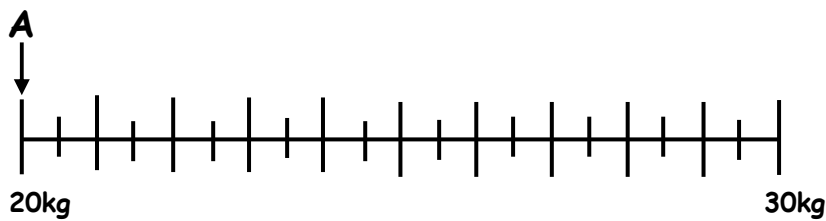
Bag A
20 kg 

Bag B
27 kg 500 g 

Bag C
25kg 

Bag D
29.5 kg 

- a) The **arrow** points to the **weight** of bag **A** on the scale below.
Use **arrows** to **mark** the weight of bags **B** and **C** on the scale.
Label each weight as in the example.



- b) Kate's bag is the **heaviest**.
Sam's bag is **2kg lighter** than Kate's bag.
Ruben's bag is **5kg heavier** than Bernice's bag.

Draw arrows to match each bag to its owner.

Bag A

Kate

Bag B

Sam

Bag C

Ruben

Bag D

Bernice

END OF PAPER

Marking Scheme	Nos.	1 a - l	12 × 2	=	24
		2 - 8	7 × 4	=	28
		9 - 16	8 × 6	=	48
			TOTAL		<u>100</u>