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 = ☐ .
b)	355 — 299 = ☐ .
c)	12 x 50 = ☐ .
d)	35 x 16 = 35 x 8 x ☐ = 560.
e)	36, ☐ , 42, 45, ☐ , 51.
f)	Complete with **different** numbers **less than 10.** ☐ 8 + ☐ 3 + ☐ + ☐ = 21.
g)	470 + ☐ = 1000.
h)	Write the missing **fraction**: | Whole	$\frac{1}{2}$		$\frac{1}{8}$
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264	132	66	33	
i)	☐ ÷ 18 = 3.
j)	3kg apples at ☐ c per kilogram = €4·50
k)	9 x 24 = **Double** ☐
l)	The **perimeter** of a **regular hexagon** is 18cm. The **length** of **each side is** ☐ cm.

2 a) Draw the **reflection** of the shaded shape in the mirror line.
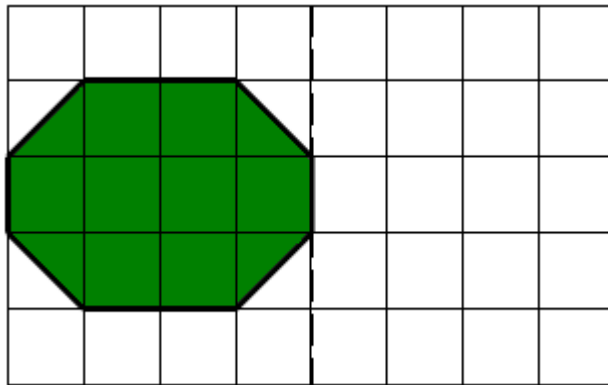
b) Draw the **mirror line** so that the shapes are reflections of each other.
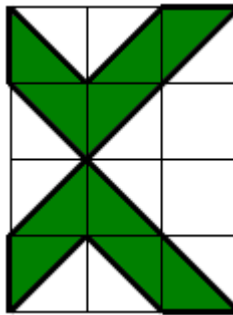
3. The grid below shows numbers 41 to 80.

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) $95 \cdot 6 - 23 \cdot 1$ ☐

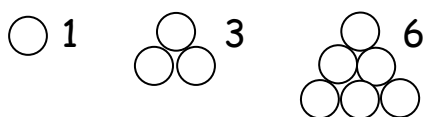ii) $\dfrac{3}{5}$ of 75   ☐

iii) $19 \cdot 4 + 18 \cdot 6$ ☐

iv) $3 \cdot 75 \times 11$ ☐

b) Complete.

i) $64 \div 20 = $ _____ $\div\ 2 = 3 \cdot 2$

ii) $84 \times 7 = (80 \times 7) + ($ _____ $\times\ 7)$

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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)

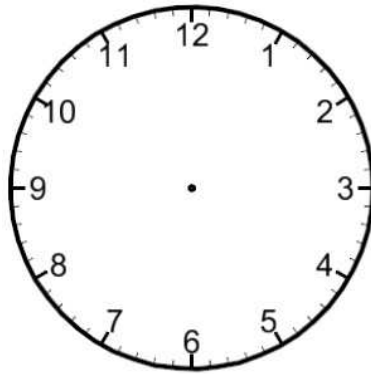|	
7	86

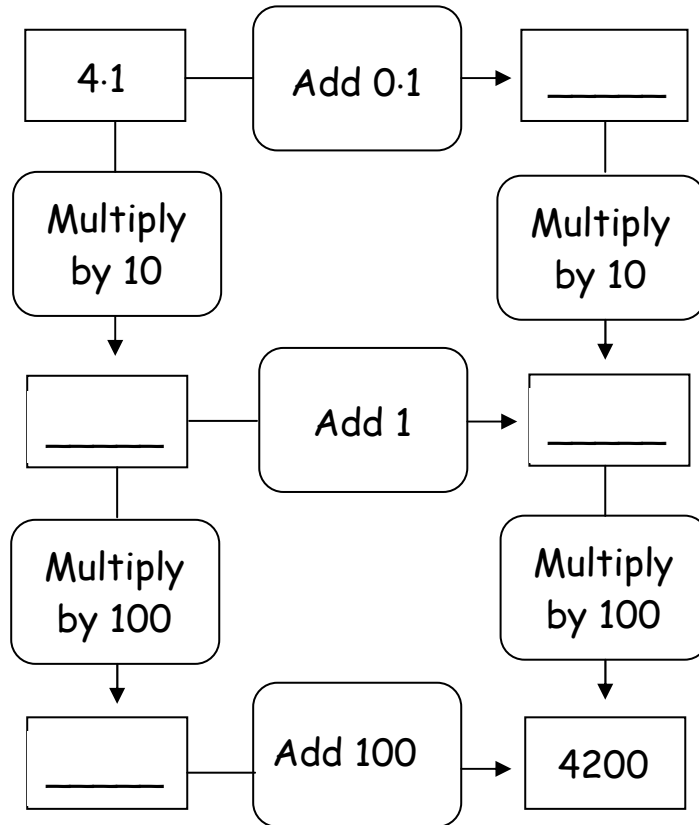6 a) Draw hands to show half past 2 on the clock face.

b) Use your protractor.
   Measure the **smaller** angle between the hands of the clock.

_____ °

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7. Complete.

8 a) Fill in with **the proper unit**.
     Only THREE of the given units are correct.

metres	kilometres	millimetres	centimetres

   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

_____

9 a) Find the pairs.

440		339		877

	925		415		313

  i) _____ − _____ = 25

  ii) _____ − _____ = 48

  iii) _____ − _____ = 26

  b) Multiply the numbers.

  7 × 5·3   4 × 8·6   6 × 6·6

  The multiplication **closest** to 40 is   ☐ × ☐·☐ .

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10 a) Write the fractions in order smallest first.

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

  b) Solve the problem.

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

11. This is a floor plan of a classroom.
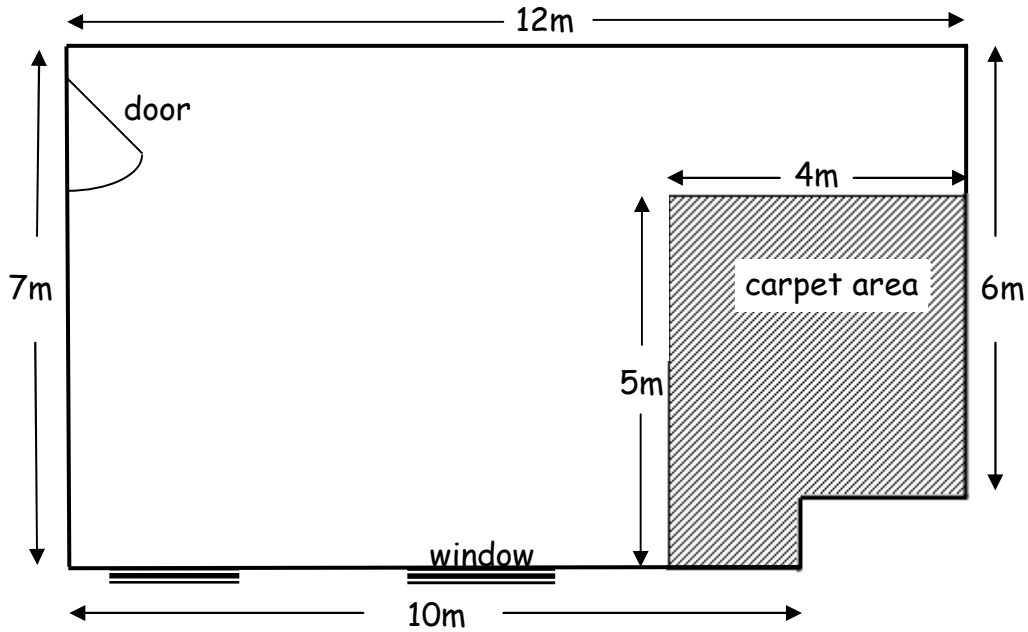
a) The **perimeter** of **the classroom** is _____ m.

b) The **area** covered by **the carpet** is _____ m².

_____
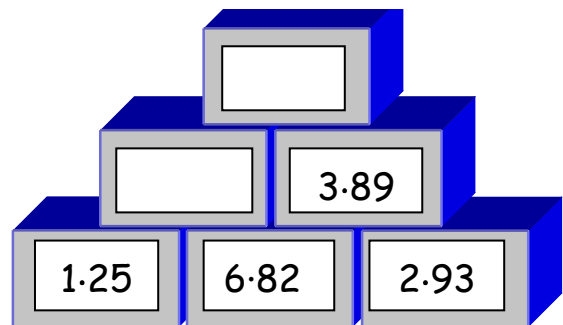
12. a) Find the number.

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.
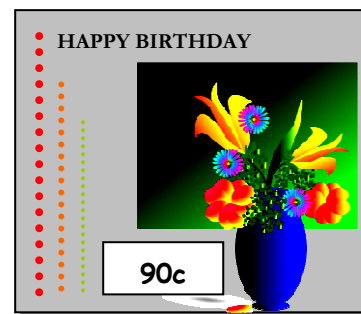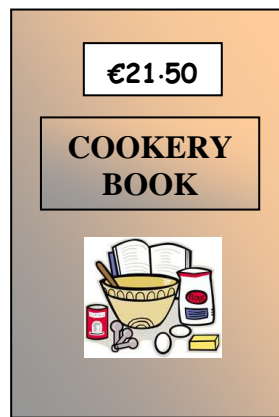
Fill in the missing numbers.

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.
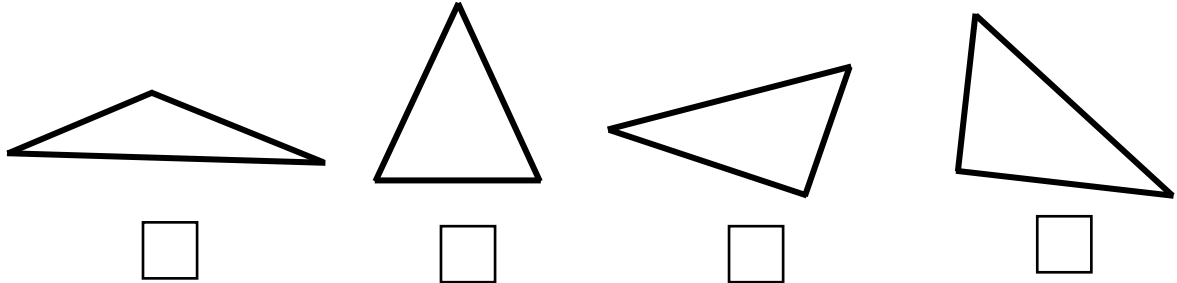
€21·50

COOKERY BOOK

HAPPY BIRTHDAY

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.
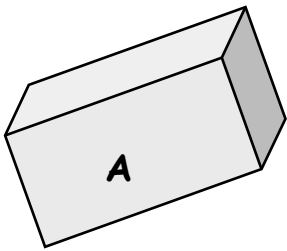
14 a)

 i) An isosceles triangle has _____ **equal** sides.

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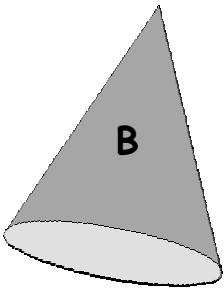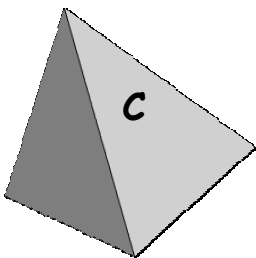
 ☐   ☐   ☐   ☐

 b) Fill in.

Shape A is a cuboid.

It has 6 faces, _____ vertices and 12 _____.

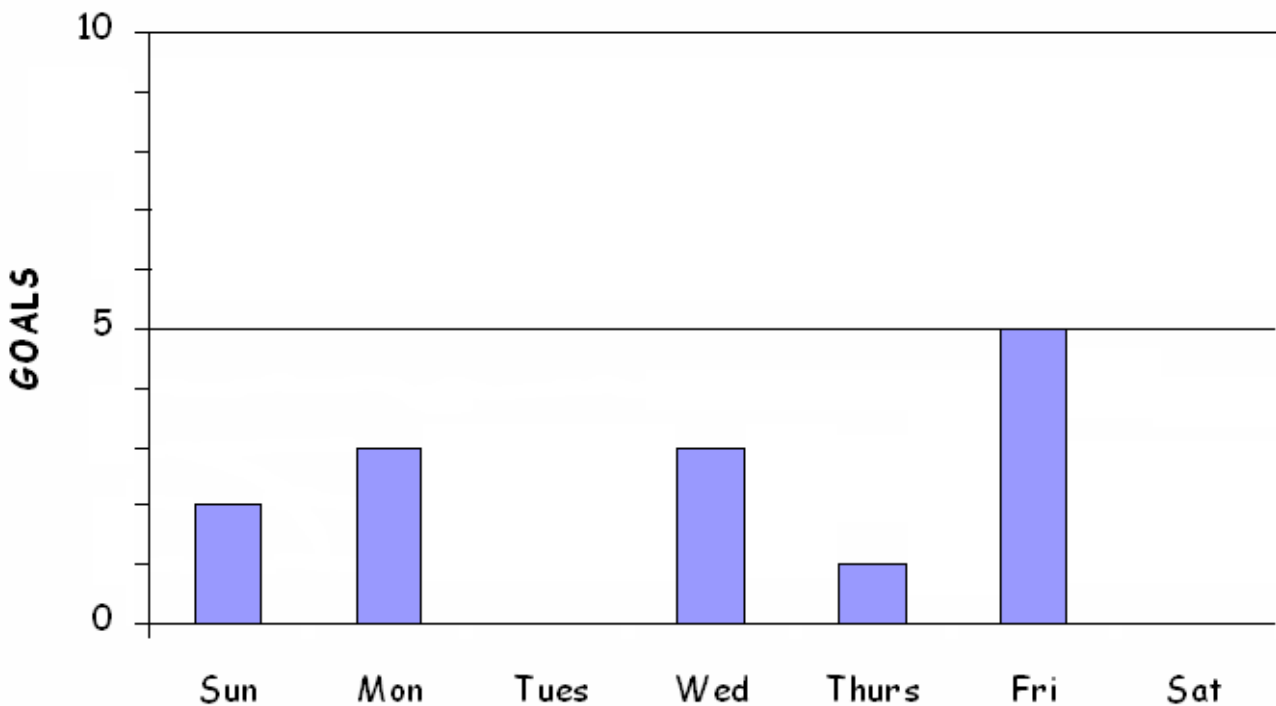Shape B is a _____.

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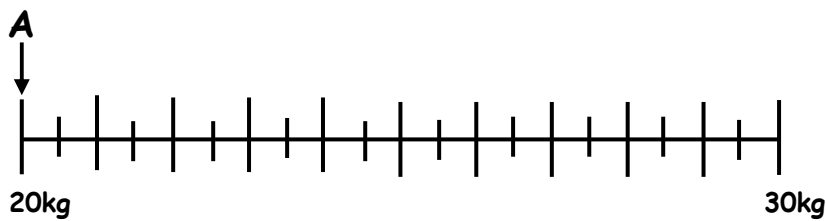
16. Kate, Sam, Bernice and Ruben have a bag each.

Bag A	Bag B	Bag C	Bag D
20 kg	27 kg 500 g	25kg	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.

A

20kg   30kg

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	100