

PRIMARY SCHOOL ANNUAL EXAMINATIONS 2002

Educational Assessment Unit - Education Division

YEAR 6

MATHEMATICS

TIME: 1 hour 30 min

Name : _____

Class : _____

1)
$$\begin{array}{r} 415 \\ + 302 \\ \hline \end{array}$$

(2)
$$\begin{array}{r} 686 \\ + 173 \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 955 \\ - 462 \\ \hline \end{array}$$

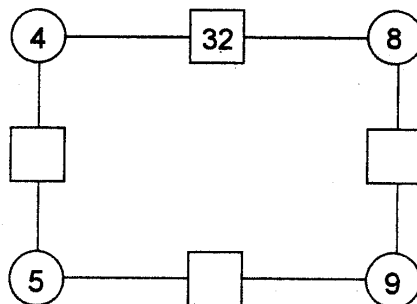
(4)
$$\begin{array}{r} \text{Lm } 1 \cdot 25 \\ \times \quad 5 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 6 \overline{) 8 \text{ m } 70 \text{ cm}} \end{array}$$

6) Fill in the squares with the right numbers.

$(4) \times (8) = (32)$

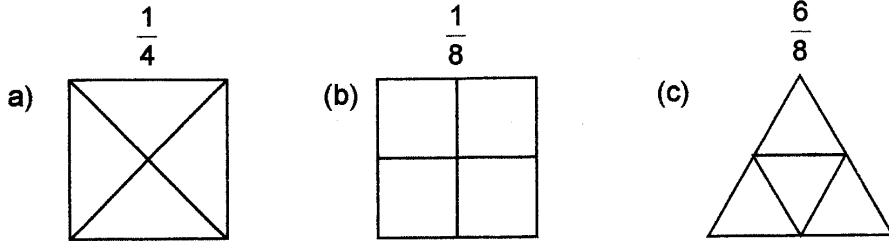
(One has been done for you.)



7) Write the value of the figure 2 in these numbers:

a) $24 \cdot 5 =$ _____ (b) $5 \cdot 24 =$ _____ (c) $4 \cdot 52 =$ _____

8) Shade:



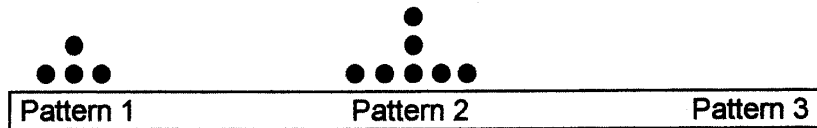
9) Choose the correct measurement for each.

(One has been done for you.)

17 cm	3 m	53 mm	1 m 45 cm	10 km
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- a) height of a room = 3m
- b) length of a new pencil = _____
- c) distance from Valletta to Mdina = _____
- d) length of a finger = _____
- e) height of a boy = _____
-

10) a) Draw Pattern 3.



b) Arrange in order, **smallest first**:

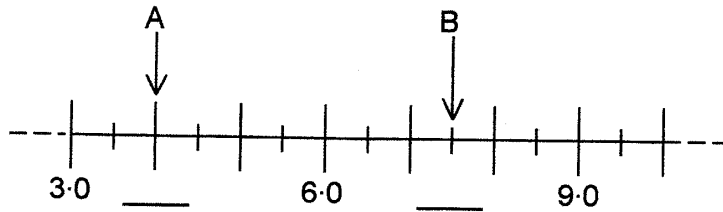
51·36 , 315·6 , 63·51 , 163·5

_____ , _____ , _____ , _____

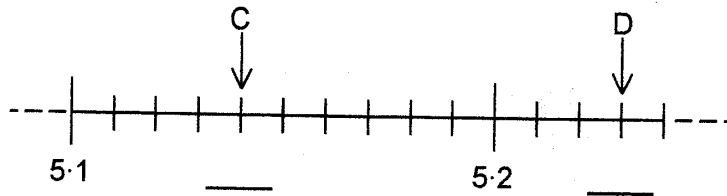
c) Complete : $\frac{3}{5}, \frac{1}{2}, \frac{2}{5}, \frac{3}{10}, \frac{\square}{\square}$

11) Write down the numbers shown by the arrows A, B, C, D.

a)



b)



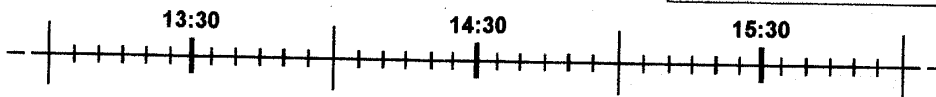
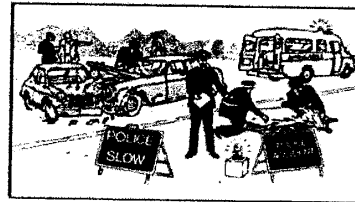
12) Work these sums:

a) $\square + 0.9 = 1.7$

(b) $\frac{\square}{\square} - \frac{2}{5} = \frac{1}{3}$

13) One Saturday Tom left home by car at 13:50.

45 minutes later he had an accident.



a) On the timeline mark 13:50 with an arrow (\downarrow).

b) At what time did the accident take place? _____.

c) Tom was in hospital at 15:00.

How long after the accident was that? _____ minutes

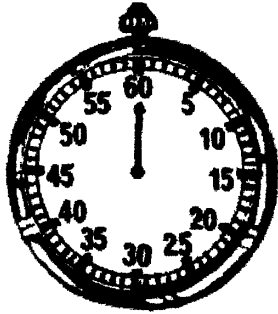
d) Tom was kept in hospital for 6 days.

On which day was he sent home? _____

14) a) This is a picture of a stop-watch.

The hand makes **one complete turn in 60 seconds**.

What turn, **in right angles**, does the hand make in:



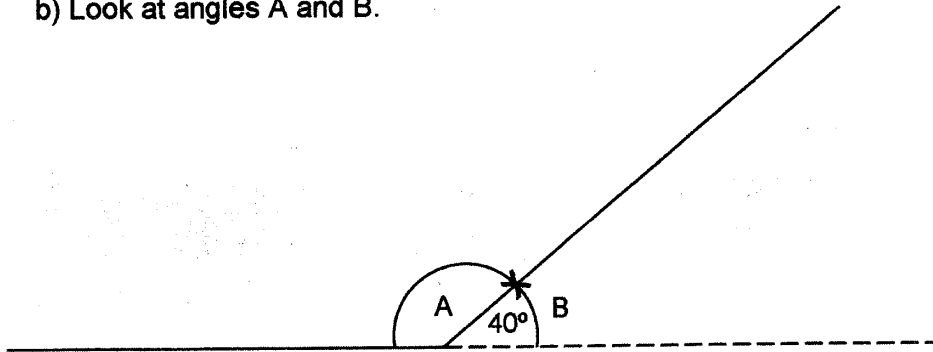
i) 15 seconds? _____ right angle,

ii) 90 seconds? _____ right angles,

iii) 5 seconds?

 of a right angle.

b) Look at angles A and B.



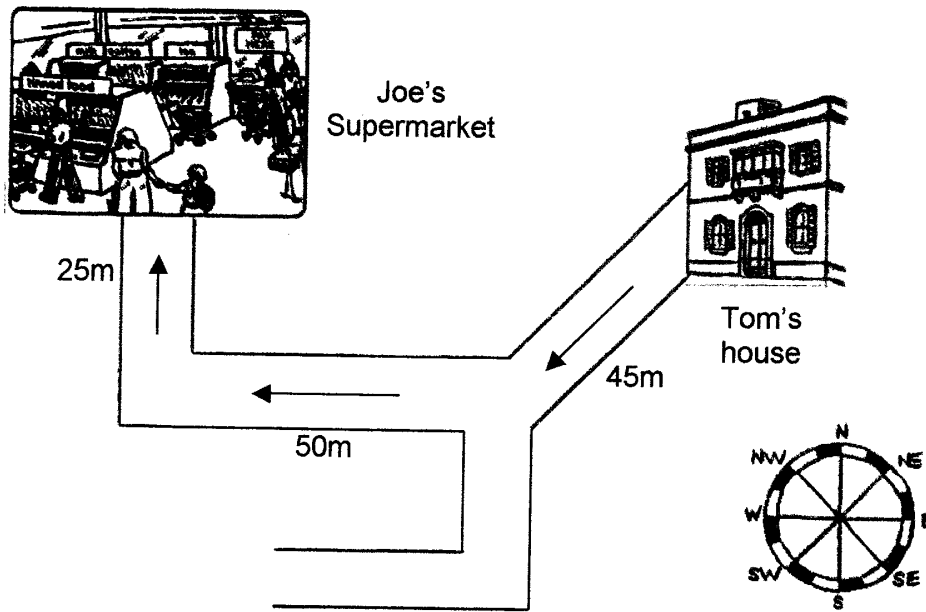
Write the correct answer:

i) Angle _____ is **obtuse**.

ii) **Find**, in degrees, angle A. _____°

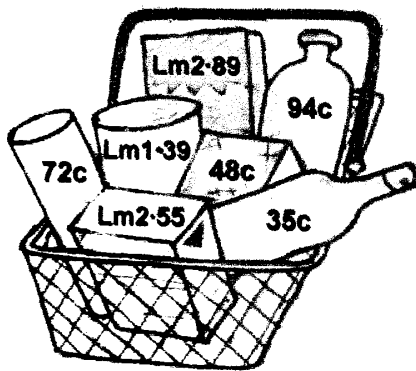
iii) Angle A and angle B **together** make _____.

15) a) Fill in with the right directions:



To go to the Supermarket from his house, Tom walks 45m **South West**, 50m _____ and 25m _____.

b) This is Tom's shopping basket.

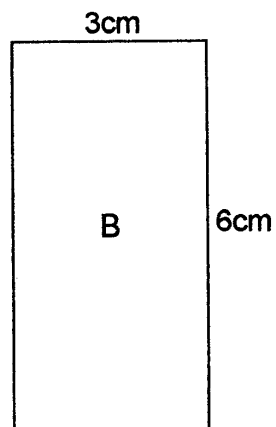
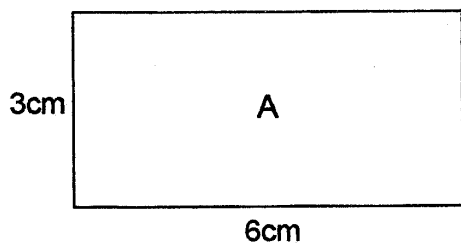


i) How much does he spend in all? _____

ii) Which 3 prices add up to exactly Lm 5?

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \text{Lm } 5$$

16)



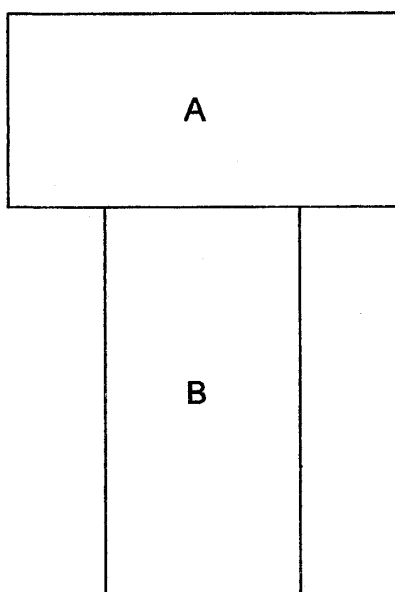
Complete:

a) The **perimeter** of 1 rectangle is _____ cm.

b) Rectangles A and B are placed **side by side** to form a **square**.

The **perimeter** of **this square** is _____ cm.

c)

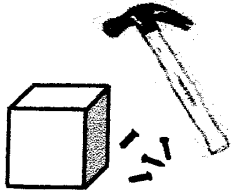


The **perimeter** of this shape is _____ cm.

17)

Tom used nails to make **23 boxes**.

He had **571 nails** altogether.



Now answer these questions:

a) How many nails were used to make **1 box**? _____ nails.

b) i) How many nails were **left over**? _____ nails.

ii) How many **more** nails were needed
to make **another box**? _____ more nails

18) The table shows the favourite subjects of **150 children**.

	Religion	Maths	English	Maltese	Soc.Stud.
Boys	17	19	11	_____	14
Girls	21	9	15	_____	16

a) The **number of boys** and the **number of girls** who like **Maltese** best are **equal**.

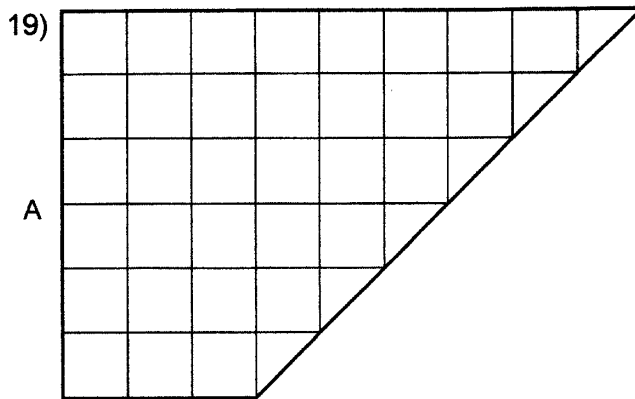
Complete: _____ girls like **Maltese** best.

b) i) What **fraction** of all the children like **Social Studies** best?

(Give your **answer** in its **lowest terms**.)

ii) What **percentage** of all the children like **Social Studies** best?

_____ %



Shape **A** is made from **whole** and **half** squares.

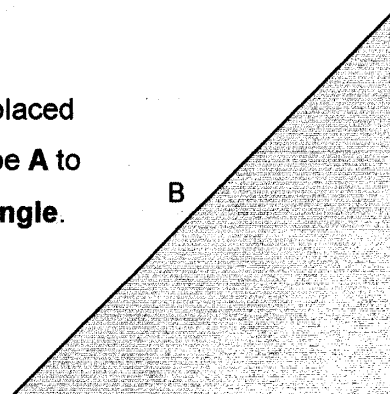
The **side** of each square is **1cm**.

Complete :

a) The **area** of shape **A** is _____ cm^2 .

b)

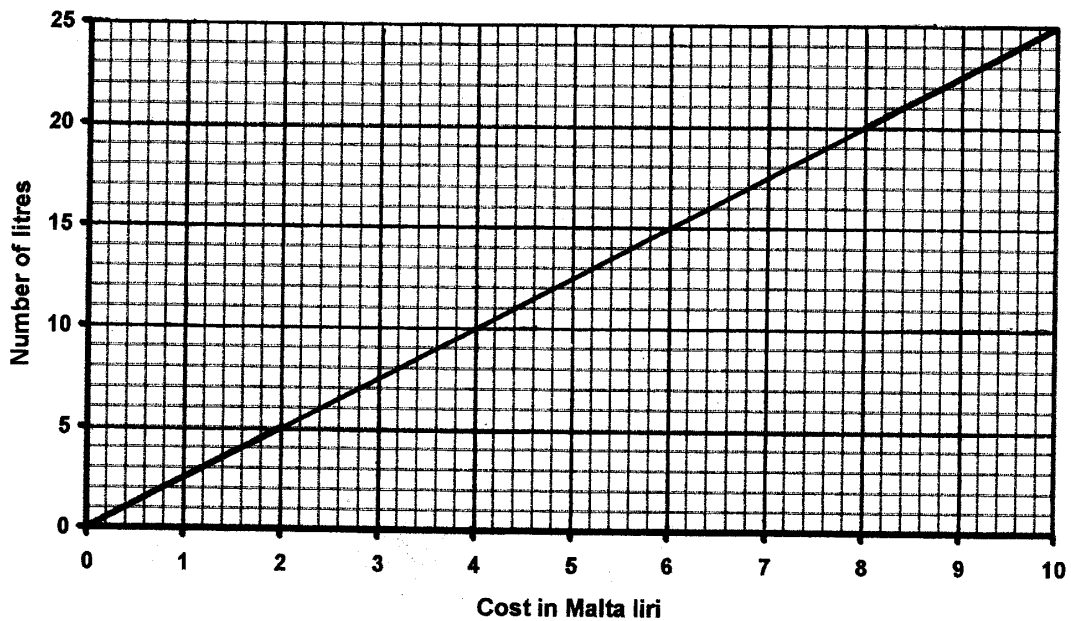
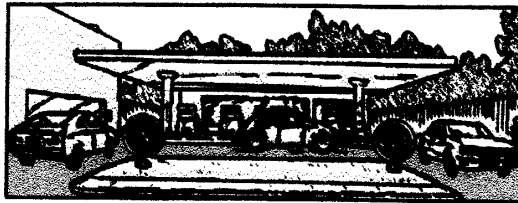
Shape **B** is placed **next to** shape **A** to form a **rectangle**.



i) The **area** of the **rectangle** is _____ cm^2 .

ii) The **area** of **triangle B** is _____ cm^2 .

20) The graph shows the cost of petrol.



a) Complete the table by using the graph.

Number of litres			15		25
Cost	Lm 2	Lm 3.60		Lm 8.40	

b) What is the cost of 1 litre of petrol? _____ cents

21) Kate is working : $2\frac{1}{4} - \frac{1}{2}$

Look at Kate's working.

Complete :

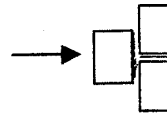
$$2\frac{1}{4} - \frac{1}{2}$$

$$2 + \frac{1}{4} - \frac{1}{2} \rightarrow 2 + \frac{1}{4} - \frac{2}{4}$$




$$\rightarrow 1 + \square + \frac{1}{4} - \frac{2}{4}$$

$$\rightarrow 1 + \frac{\square}{4} + \frac{1}{4} - \frac{2}{4}$$

$$\rightarrow 1 + \frac{\square}{4} - \frac{2}{4} \rightarrow \square \square$$



22) The table shows three different coins and the weight of each.

Value of coins			
Weight of coins	8 g	6 g	5 g

Tom has an equal number of each of the coins above.

Altogether the weight of his coins is 57g.

How much money has Tom in all? Lm _____.

Mark Scheme Numbers 1 - 8 = 3 marks x 8 = 24 marks
 Numbers 9 - 12 = 4 marks x 4 = 16 marks
 Numbers 13 - 22 = 6 marks x 10 = 60 marks
 Total = 100 marks