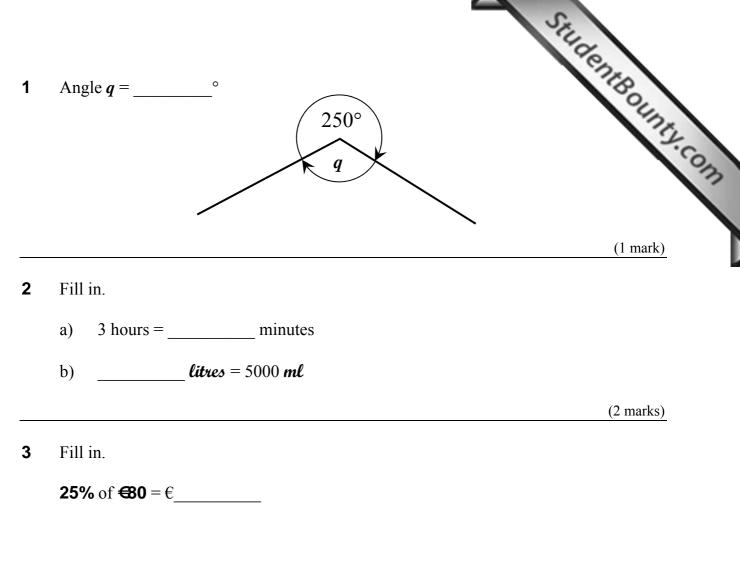


INSTRUCTIONS TO CANDIDATES

- Answer all questions.
- This paper carries a total of 25 marks.
- Calculators and protractors are NOT ALLOWED.



(2 marks)

4 Complete this **multiplication grid**.

×	75	4.2
10		42
100	7500	

(2 marks)

5 The table shows the test marks of	5 students.
--	-------------

vs the test marks of 5 stude	ents.	StudentBounts.com
Name	Mark	The second
Bertu	7	50.
Ġorġ	5	12
Anna	5	
Toni	4	1
Mari	9]

- Median = _____ a)
- Work out the **mean (average)** mark. **b**)

Mean (a	verage) =	
---------	-----------	--

(3 marks)

6 Work out. a)

100 - 30 × 3 =

A car travels 240 km in 4 hours. Work out the speed of the car. **b**)



m/h

(3 marks)

7 Fill in.

a)
$$\frac{5}{8} - \frac{3}{8} = \frac{3}{8} = \frac{3}{4} = \frac{3}{4}$$

b)
$$\frac{3}{10} + \frac{1}{5} = \frac{3}{10} + \frac{1}{10} = \frac{1}{10} = \frac{1}{10}$$

(4 marks)

This LOGO statement draws a rectangle. 8 a)

PD REPEAT 2 [FD 200 RT 90 FD 120 RT 90]

Work out the **perimeter** of this **rectangle**.

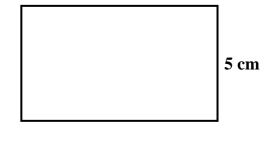
Perimeter = _____ turtle steps

The **area** of the rectangle is 30 cm^2 . **b**) Work out the length of this rectangle.

Length = _____ cm

9 Complete the table.

	Temperature (°C)	Goes	New Temperature (°C)	F C				
a	5	down 8°C	-3	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
b	10	down 5°C		80 30 60 20 10				
с	-3	up 10°C		40 - 0 2010				
d	-6	up 4°C		-20 -20 -40				
e	-3		-5					



(4 marks)

(4 marks)



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FORM 3 MATHEMATICS TIME: 1h 30mi Main Paper								lh 30min								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	NC	Main	Total
		Calcu your		s are lator	e allov to di	wed A ivide	but t Inswe 200	the ner all	l que	estior	ns. our an			st be	shown	
	b) a)								of this		cil.					(2 marks)
				[2				

Length = cm

When new, the pencil was double the length it is now. Work out the length of b) the pencil when it was new.

Length = _____ cm

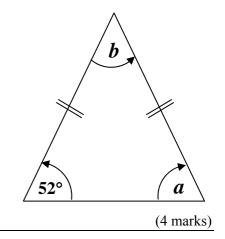
(3 marks)



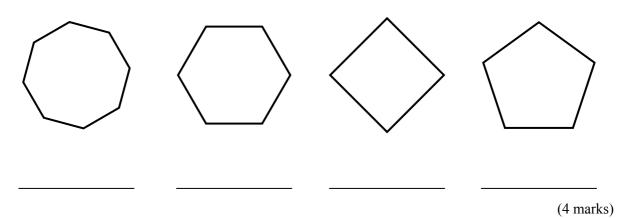
- **4** a) **Underline** the correct answer.
 - i) The sum of the **three angles of a triangle** is (90°, 180°, 360°).
 - ii) A hexagon has (6, 8, 10) sides.
 - b) The diagram shows an **isosceles triangle**.



- *a* = _____°
- *b* = _____°



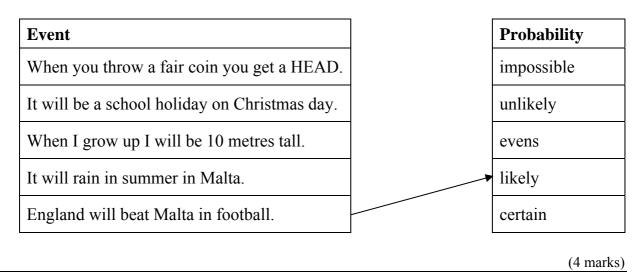
5 Write the correct name. Use the words below. SQUARE, PENTAGON, HEXAGON, OCTAGON



StudentBounty.com Name: Class: 6 Match the equation to its solution. Equation Solution x + 6 = 10x = 10a x - 7 = 2b x = 43x = 15*x* = 9 С d $x \div 2 = 5$ *x* = 1 5x - 2 = 3*x* = 5 e

(4 marks)

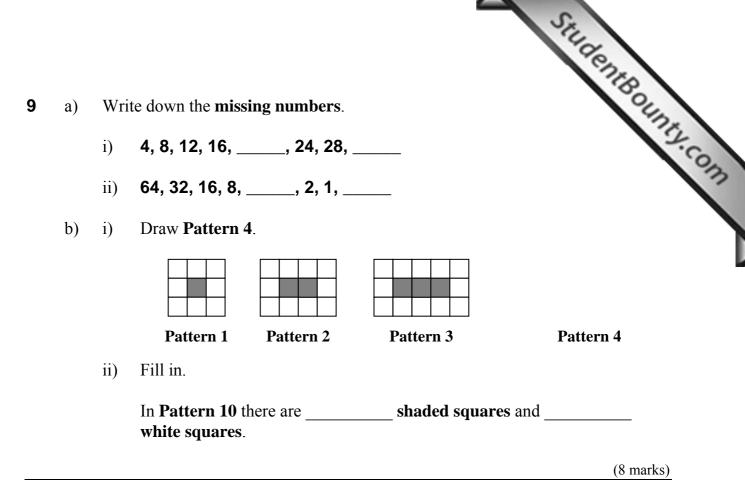
7 Match the event to the probability.



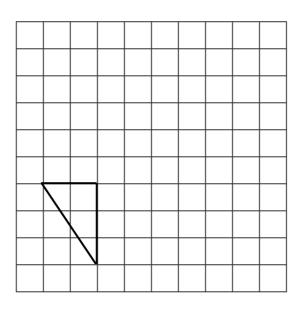
- **8** a) Use **ruler and compasses only** to draw an **equilateral triangle** with sides **6 cm**.
 - b) Fill in.

Each angle of this triangle = $__{\circ}$

(4 marks)



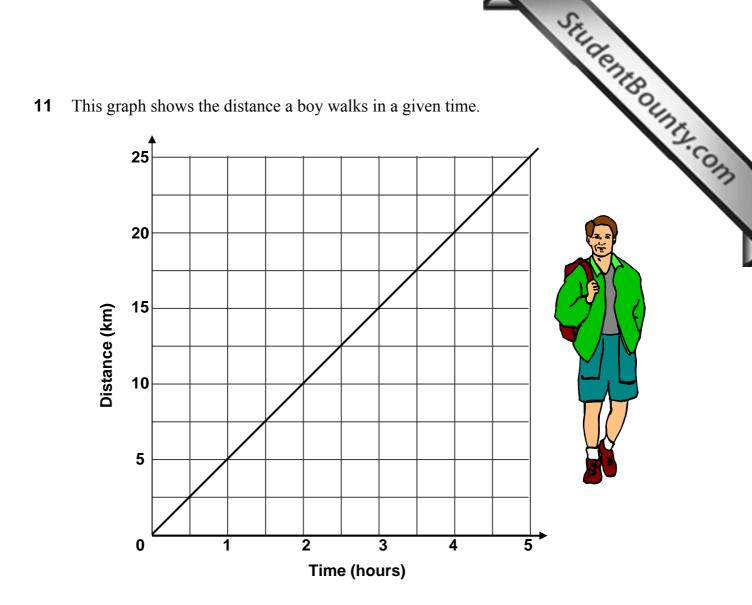
10 a) **Enlarge** the triangle. Use a ratio of **1 : 3**.



b) Fill in.

- i) Area of small triangle = $_ cm^2$
- ii) Area of enlarged triangle = $_ cm^2$
- iii) Area of small triangle : Area of enlarged triangle = 1 : _____

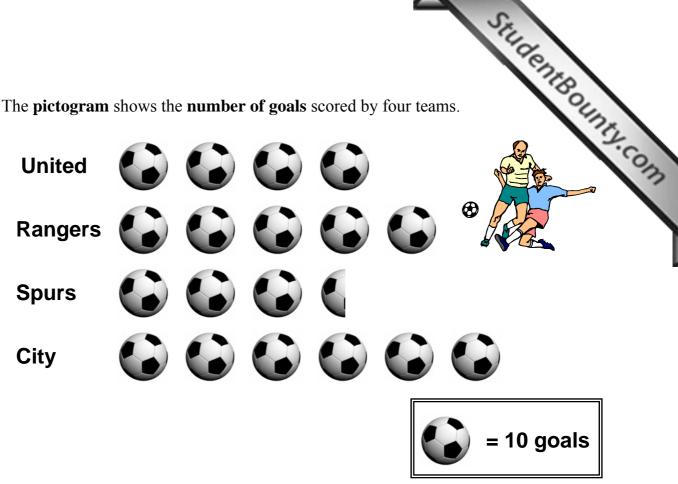
(7 marks)



- a) Use this graph to fill in.
 - i) In **3 hours** the boy walks ______ kilometres.
 - ii) In _____ hours the boy walks **20 km**.
 - iii) In $2\frac{1}{2}$ hours the boy walks ______ kilometres.
 - iv) In _____ hours the boy walks **40 km**.
- b) **Speed** = $_$ km/h

(7 marks)

12 The pictogram shows the number of goals scored by four teams.



- Underline the correct answer. a)
 - (United, Rangers, Spurs, City) scored most goals. i)
 - ii) Rangers scored (5, 10, 25, 50) goals.
 - (United, Rangers, Spurs, City) scored 40 goals. iii)
 - Spurs scored (10, 30, 35, 40) goals. iv)
- How many goals did City score? _____ goals **b**) i)
 - City played 20 matches. Work out the mean (average) number of goals ii) scored per match.

Average = goals

(7 marks)

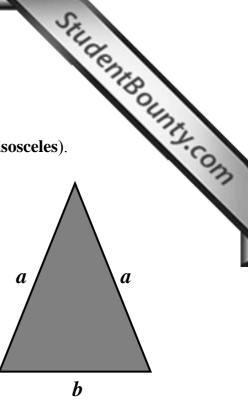
13 Underline the correct answer. a)

A triangle with **no equal sides** is (scalene, equilateral, isosceles).

b) Mario uses the formula

Perimeter =
$$2a + b$$

to find the **perimeter** of an **isosceles triangle**.

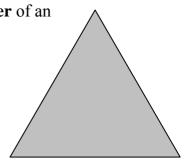


Complete the table.

a	b	Perimeter
7	5	
	4	22

Katrina uses this number machine to find the perimeter of an c) equilateral triangle.

Complete the number machine.

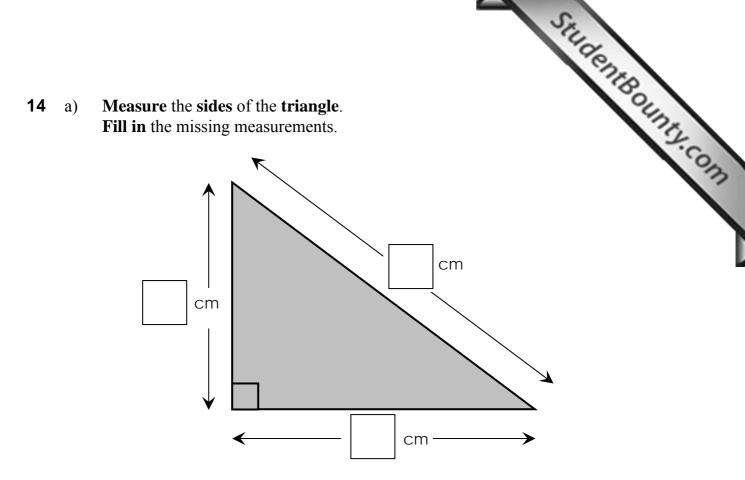




d) The perimeter of an equilateral triangle is 27 cm. Work out the length of one of its sides.

Length = cm

(8 marks)



b) Work out the **perimeter** and **area** of the **triangle**.

