



Year 6

Mathematics Written Paper

1 hr 15 mins

Name: _____

Class: _____

ANSWER ALL QUESTIONS

Questions 1 – 4 ... 4 marks each

Questions 5 – 12 ... 5 marks each

Questions 13 – 16 ... 6 marks each

1. Work Out:


a) $378 + \underline{\hspace{2cm}} = 1077$

b) $479 + 1789 =$

c) $504 \div 9 =$

d) $98 \times 8 =$

2. a) Circle the correct estimate:

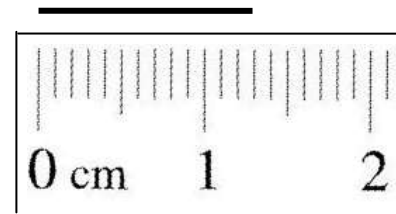
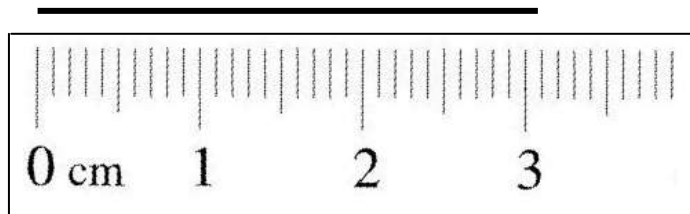
i) the length of a paintbrush 

8 m	2.75 cm	21 cm
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ii) the height of a tree 

6 m	6 km	6 cm
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b) Line A is 3.1 cm long and Line B is 1.3 cm long.



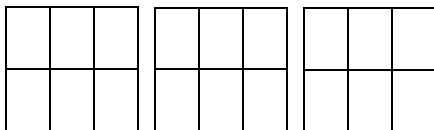
i) What is the total length of both lines in millimetres?

_____ mm

ii) How many millimetres longer is line A than line B?

_____ mm

3. a) Shade $2\frac{2}{3}$



b) What fraction is left unshaded?
Give your answer in its lowest terms.

c) Fill in with $<$ or $>$

$\frac{9}{10}$ $\frac{3}{4}$

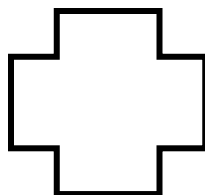
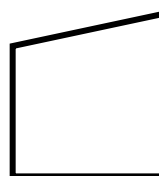
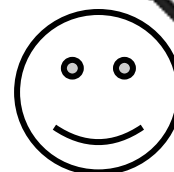
d) Find the mid-point between

$6\frac{5}{6}$ and $7\frac{1}{6}$.

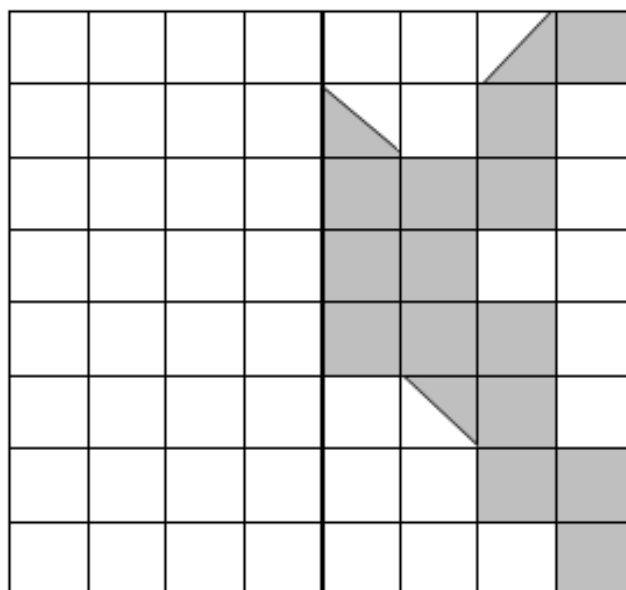
4. Look at the shapes below.

a) Tick (✓) the shapes that **do not have** a line of symmetry?


☐

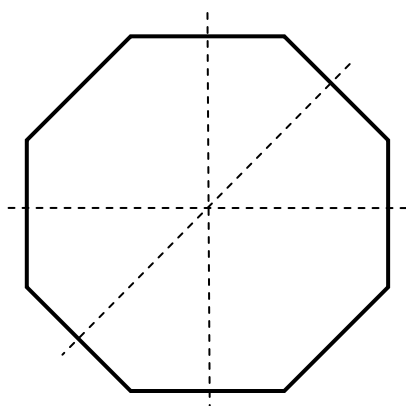
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b) Draw the reflection of the shaded shape in the mirror line.



c) Look at this octagonal shape.

How many more lines of symmetry?



_____ more lines of symmetry

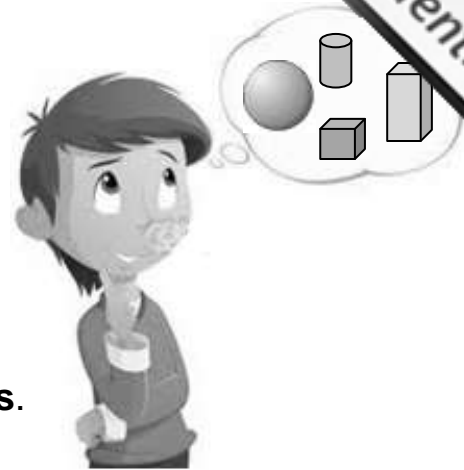
5. What shape am I?

a) I have **1 vertex**, **2 faces** and **1 edge**.

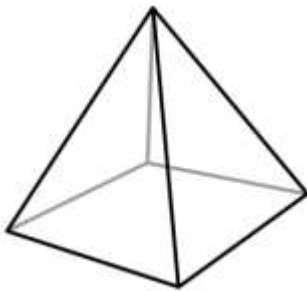
I am a _____.

b) I have **0 vertices**, **3 faces** and **2 edges**.

I am a _____.

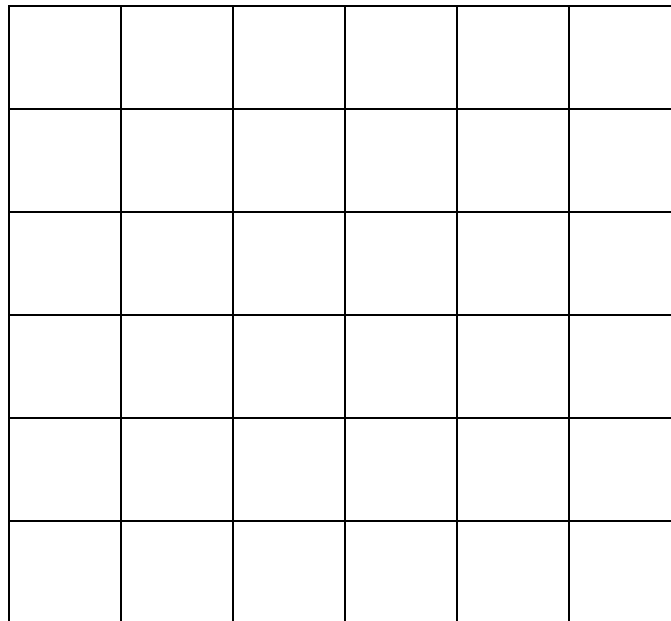


c) Look at this shape.

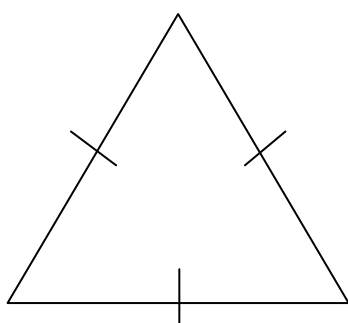


i) What shape is this?

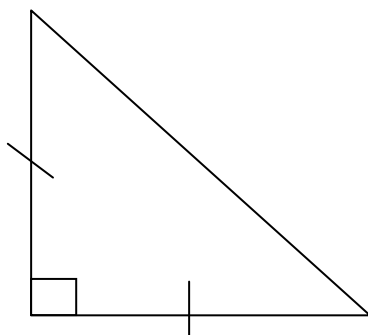
ii) Use the grid below to **draw the net** of this shape.



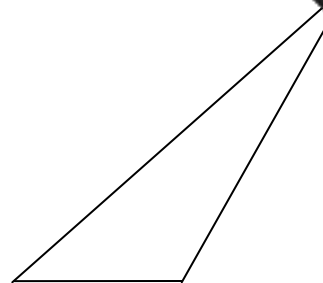
6. Look at these triangles:



Triangle A



Triangle B



Triangle C

a) Triangle A is an _____ triangle and triangle

_____ is an isosceles triangle.

b) Triangle B has one _____ angle.

c) Triangle _____ is called a scalene triangle and it has

_____ equal sides.

7. Kurt is thinking of a number.

What is the number?



I am **one** of these numbers:
7, 70, 21, 35, 49,
56, 28, 14, 63



I am an odd number.
What can I be?



I am made up of 2 digits.
What can I be?

I am not divisible by 3.
What am I?



I am greater than 25.



I am divisible by 7 but not by 5.
What can I be?



8. Father bought $5\frac{3}{4}$ kg of meat for a barbecue.

a) How many grams is this?

_____ g

b) He **marinated** 2.87kg of the meat.

How much meat is left? Give your answer in grams.

_____ g

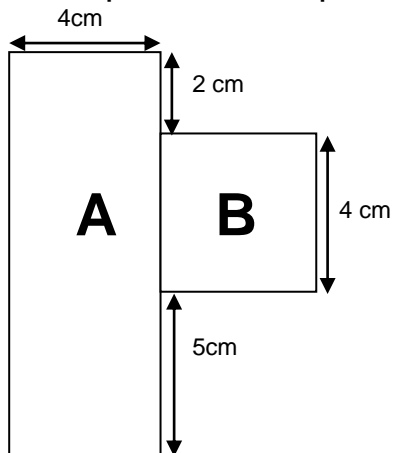
c) He **cut** the rest of the meat in **portions** of **500g** and put them in separate freezing bags.

How many bags did he need?

_____ bags

9. (Do not use a ruler to answer this question)

This shape is made up of **Oblong A** and **Square B**.



a) Oblong A is 4cm wide and _____ cm high.

b) The **perimeter** of the shape is _____ cm.

c) The **total area** of the whole Shape (A + B) is _____ cm².



10. Laura has **144 beads**.

She gives $\frac{1}{3}$ of them to her sister and loses $\frac{5}{8}$ in a game.

a) How **many beads** does she have **left**?

_____ beads

b) Laura uses **half of the remaining beads**.
How **many beads** does she use?

_____ beads

11. There were **23,492 supporters** for the first football match.

The attendance for the second match **increased** to **28,989 supporters**.

a) Round 23,492 to the nearest thousand.

b) Find the difference in attendance between the first and second match?

_____ supporters

c) 986 supporters went to the stadium by bus.

If **each bus** carried **52 supporters**, how many buses were used to carry **everyone**?

_____ buses

12. This is the **calendar** for the month of **April 2013**.

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

a) Fill in.

i) The **second day** of the month is a _____.

ii) Liam goes to the football club **every Tuesday** and **Saturday** afternoon. How many times does he go in April?

_____ times

b) The **first four days** of the month are **Easter holidays**. Work out the **number of school days** in April 2013.

There are _____ school days in April.

c) Liam's birthday is on the **fifth Monday** of the month. What is the **date**?

The date is Monday, _____ 2013.

d) Liam has his party **6 days after** his **birthday**.

What is the **date** of the party?

The date is _____, _____ 2013.



13. **Mr Borg** is preparing a surprise holiday for his **wife** and their **two children**.

Look at the options available.

Option 1

7 days in Germany

Adults **€376 each**
Children **half price**

Insurance costs
€95 per family

Option 2

One week in Italy

Adults **€357 each**
Children **€210 each**

Insurance costs
€35 per person

- a) **Work out** the **cost** of the holiday for **the Borg family** if they go to **Italy**.

€ _____

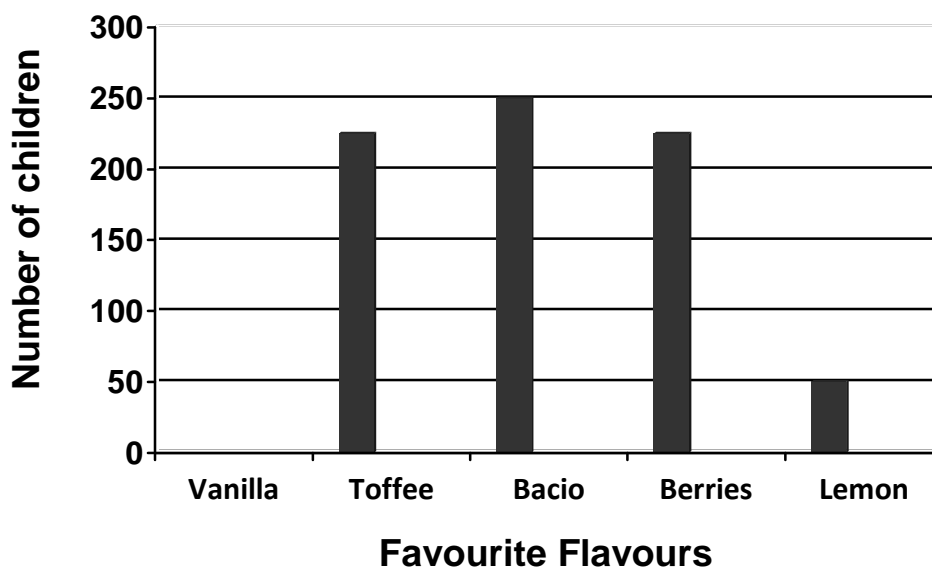
- b) Which is the **cheaper holiday** for the Borg family?
Tick (✓) the right answer.

<p>Option 1 7 days in Germany</p>	
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<p>Option 2 One week in Italy</p>	
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- c) Why?

14. This graph shows the favourite ice-cream flavours in a school.



Fill in:

a) The number of children liking vanilla is **triple** that of lemon.

Draw the number of children preferring vanilla.

b) Which **two flavours** are liked equally?

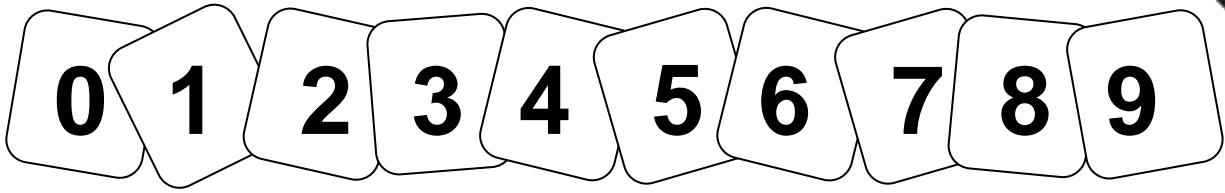
_____ and _____.

c) How many children attend this school?

There are _____ children.

d) What **fraction** of the children chose **bacio** as their favourite flavour? Give your answer in its lowest terms.

15. Look at these number cards.



Karen made three sums using the cards above.

Fill in the empty cards with the **correct number**.

You may **use each card once**.

Some numbers **have already been used**.






$$\boxed{} \boxed{} + \boxed{1} = 31$$

$$\boxed{} \boxed{} \cdot \boxed{} \div \boxed{} = 24.3$$

$$\boxed{9} \times \boxed{} \boxed{} = 675$$

16. Andy's take away has a special offer today.

	2 portions of chips + 1 soft drink €6.45
	1 portions of chips + 1 burger €8.31
	1 soft drink + 1 burger €7.71

a) What is the **cost of 1 portion of chips**?

€ _____

b) What is the **cost of 1 portion of chips, 1 burger and 1 soft drink**?

€ _____

END OF PAPER