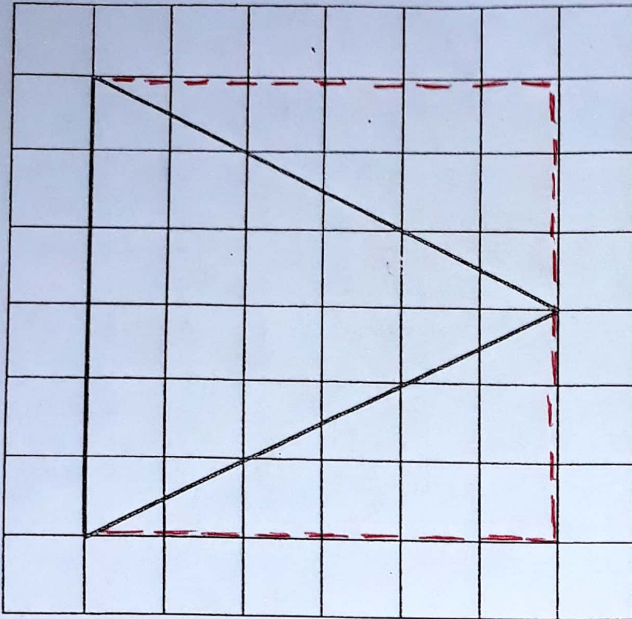


1. The grid below is marked in square centimetres.



This triangle is half of the 6x6 square

The area of the square is $6 \times 6 = 36 \text{ cm}^2$

$36 \div 2 = 18 \text{ cm}^2$

What is the area of the triangle? 18 cm²

2. Look at the number below.

Halve the number. *divide by 2*

7.40

3.7 or 3.70

3. Look at the docking times of the ferries below.

Tick the ferries that arrive before 13:50 1.50 pm.

Ferry arrivals at Belfast Harbour	
Passenger Ferries	Container Ferries
0640 Stranraer <input checked="" type="checkbox"/>	0900 Liverpool <input checked="" type="checkbox"/>
0845 Liverpool <input checked="" type="checkbox"/>	1345 Bergen <input checked="" type="checkbox"/>
1230 Cairnryan <input checked="" type="checkbox"/>	1530 Cyprus <input type="checkbox"/>
1405 Isle of Man <input type="checkbox"/>	1720 Lisbon <input type="checkbox"/>

ALL

4. In which of these numbers does the 7 stand for seven hundredths?

Tick the correct box.







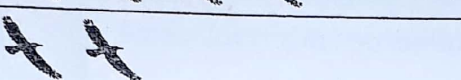
^{TU.th} 70.45



47.90

25.78

19.07

5. Lucy draws a pictogram to show the number of birds that visited her feeding table over a seven day period.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Key	
	10 birds
	fewer than 10 birds
	1-9

Using the information in the pictogram, tick to show whether each of the following statements is **True**, **False** or you **Can't tell**.

	True	False	Can't Tell
25 birds visited the feeding table on Friday.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 21-29
More birds visited the feeding table on Monday and Thursday than during the rest of the week.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fewer than 20 Magpies visited the feeding table on Wednesday.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Over one hundred birds visited the feeding table on Thursday, Friday and Saturday.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. Look at these two bottles of juice.

0.750L
750 millilitres



2.000L
2000ml
2 litres



How much more juice is in the larger bottle than the smaller bottle?

Give your answer in litres.

$$\begin{array}{r} 2.000 \\ - 0.750 \\ \hline \end{array}$$

$$\begin{array}{r} 1.250 \\ 1.25L \\ \hline 1\frac{1}{4}L \end{array} \text{ litres}$$

Do not write in this column

✓

✓

✓

✓

✓

Rescued tigers safely relocated in Belfast Zoo

On November 11, 2003, the RSPCA led an effort to rescue 3 tigers in conjunction with seven armed police officers. These three "lucky" tigers were confiscated from abhorrent conditions on an isolated property in County Antrim.

RSPCA's Jim Nolan, who aided in the rescue effort, reported on the rat infested conditions the rescue team found when they arrived. "The tigers were filthy and it was unclear when they had last been fed. We discovered one tiger clearly malnourished, caked in mud with sores covering the pads of its feet...it's absolutely heart-breaking," he reported upon arrival at the scene.

The 70 year old owner, Mr Reid, had kept tigers on his property since 1977 and blamed his recent poor health for their neglect. In 1999, a Bengal tiger escaped (allegedly from Mr Reid's property) and was shot by authorities in a rural area 5 miles south of Coleraine.

Following the incident, the RSPCA inspected his tiger cages and cited several unsafe and unsanitary conditions. When the owner failed to make the improvements, the police revoked the Wild Animal Permit he had held since 1977.

Despite long and furious attempts to maintain possession of his "pets", a magistrate finally ordered in October 2003 that the tigers be relocated to the Bellevue Zoo in Belfast.

These 3 tigers now reside in a 4 acre-compound where they have the space and dedicated lifelong care they need. A generous local businessman is providing the funding which will enable these majestic animals to live the rest of their lives in a caring environment. Read updates on how the tigers have adjusted to their new home in the latest edition of "ZooCrack".

7. Which verb in the story means to carry weapons?

armed

✓

8. Which phrase of three words in the story shows that the three tigers were living in a vermin ridden environment?

rat infested conditions

✓

similar meaning

9. Find words in the story which are synonyms for each of the following four words. Write the words in the spaces below.

ownership

possession

poorly fed

malnourished

soles

pads

licence

permit

ALL 4 = 2
2 or 3 = 1

Do not write in this column	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
8	

10. Find a phrase of two words including one hyphenated word which shows that Jim Nolan was very upset about the plight of the tigers.

absolutely heart-breaking

11. Which court official ruled against Mr Reid keeping the tigers?

magistrate

12. Find verbs in the story which mean the same as the following phrases.

taken from

confiscated

fled from captivity

escaped

helped

aided

moved to a new home

relocated

almost 20p

17. Bob's dad bought 25 packets of crisps at 19p per packet.

He estimated how much they would cost altogether.

Which of these is the closest estimate?

Tick the correct box.

£3.80

£5.00

£2.40

£6.40

£4.10

£9.60

18. Put these fractions in order from the largest to the smallest.

$\frac{1}{3}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{2}{5}$ $\frac{1}{8}$

$\frac{3}{4}$

largest

$\frac{1}{2}$

$\frac{2}{5}$

$\frac{1}{3}$

$\frac{1}{8}$

smallest

19. Complete this calculation.

$12.21 \times 6 = 73.26$

$$\begin{array}{r} 12.21 \\ \times \quad 6 \\ \hline 73.26 \end{array}$$

20. Write the number in the box below which will complete the following calculation.

41.1

$- 24.7 = 16.4$

Add these two numbers together to find the starting point

$$\begin{array}{r} 16.4 \\ + 24.7 \\ \hline 41.1 \end{array}$$

21. Which of the angles below is an obtuse angle? *only one* $91-179^\circ$

Tick the correct box.

25°

90°

225°

14°

170°

45°

Do not write in this column

5

✓

✓

✓

✓

✓

5

Find 2 numbers which multiply together to make 96. If I add these 2 numbers together and then double my answer, do I get 40?

30. Jim draws a rectangle.

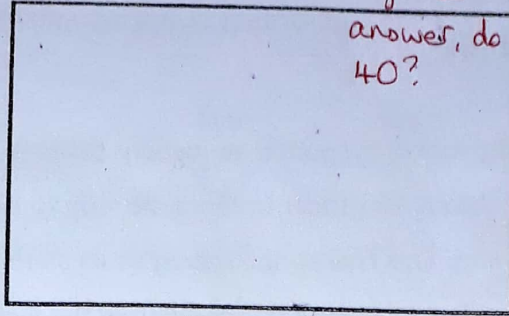
$a = l \times b$

The area of the rectangle is 96 cm^2 .

$p = (l + b) \times 2$

The perimeter of the rectangle is 40 cm.

The sides are whole numbers of centimetres.



Find the length and breadth of the rectangle.

The length is 12 cm.
or 8

The breadth is 8 cm.
12

31. Susan has a bag of 40 coins.

The bag contains at least one of each of the following coins: 1p, 5p, 20p, 50p

What are the ^{smallest} minimum and ^{largest} maximum amounts of money that could be in the bag?

Minimum: £ 1.12

37 1ps
1 5p
1 20p
1 50p

Maximum: £ 18.76

1 1p
1 5p
1 20p
37 50ps

32. Class 7 did a survey of the animals that they saw on the farm. They used tally marks to record their findings.

	Tally	Total
Sheep		32
Goats		18
Cows		44

Complete the total column for each animal.

How many animals did they see altogether?

94

How many more cows were there than goats?

26

33. A car uses 34.4 litres of unleaded petrol on an 8 hour journey.

$$\begin{array}{r} 04.3 \\ 8 \overline{) 34.4} \end{array}$$

What is the mean (average) amount of unleaded used each hour?

4.3

litres per hour

Tragedy of the Titanic

At 11:40 p.m. one of the lookouts spotted an iceberg through the faint haze. It was 500 yards dead ahead. An officer ordered the ship to be turned and the engines reversed. Too late. The Titanic shuddered as its starboard, or right side, bumped into the iceberg, opening the hull below the waterline. Water gushed in. The Titanic was doomed! Radio operators telegraphed nearby ships for help. Stewards knocked on cabin doors, alerting sleeping travellers to trouble. Officers began to lower the lifeboats. There were only enough boats to save 1,178 of the 2,228 passengers and crew aboard. Women and children were loaded first.

On deck, the crew fired distress rockets. One of the second class passengers, Mrs. Becker sent her daughter Ruth back to their cabin for blankets. Ruth returned to find officers loading women and children into a nearby lifeboat. "One officer grabbed my sister, another carried my brother into the lifeboat and yelled, 'All full!' My mother screamed. They let my mother on, but they left me behind. "My mother yelled at me to take the next lifeboat, and before I knew it, an officer had picked me up and dumped me into a boat." Seconds later, the officers lowered Ruth's lifeboat. It swung clear just in time.

Sitting in a crowded lifeboat, Ruth Becker stared in disbelief as the luxury liner Titanic started to slip into the icy cold Atlantic Ocean. On board the Titanic, passengers prayed and the band played sombre hymns. Many people screamed and jumped overboard. First the bow went down quietly—then the stern sank. Ruth recalled what she heard that terrible night: "There fell upon the ear the most terrible noise that human beings ever listened to—the cries of hundreds of people struggling in the icy cold water, crying for help with a cry we knew could not be answered".

22. Look at the first paragraph. Find a phrase of four words which shows that the ship was destined to sink.

The Titanic was doomed

23. Some of the following statements about Ruth are either **true** or **false**.

Tick the correct box.

	True	False
Ruth didn't survive the sinking of the Titanic.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruth was lucky to get a place in the lifeboat.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ruth couldn't believe what was happening.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ruth remembered the cries for help.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

All 4 = 2
2 or 3 = 1

Do not write in this column	
✓	
✓	
✓	
✓	
✓	
✓	
6	

24. Look at the **third** paragraph.

Find the word which is **closest in meaning** to each of the following.

Write your answers in the spaces provided.

mournful

sombre

looked at intensely

stared

25. What is the main subject of the **first** paragraph?

Tick the best answer.

the lucky escape

the Titanic sinks

hits an iceberg

launching the lifeboats

26. What do you think was the main reason for so many passengers dying on the Titanic?

not enough lifeboats (or similar)

6

The London Boat Show

Tickets for The Schroders London International Boat Show in association with The Daily Telegraph at Earls Court are now available to buy online at a discounted price.

Normal Days

9th - 18th January 2004 at Earls Court
Opening Times

10am - 7pm (6pm Sunday 18th)

BID FOR TICKETS ON EBAY

The magic returns to this year's London Boat Show, with exciting new features as well as fabulous boats, shopping and holidays. The final show at Earls Court, before it moves to its new venue, is set to be a real celebration.

Featuring a spectacular Turkish Harbour, in association with Turkish Tourist Office and Sunsail; a Windsurf Feature, in association with Boards magazine; and a Try Dive Feature sponsored by DIVE America.

PLUS Fabulous Boats, Shopping and Holidays; The Best Advice, News and Views; All the Best to Eat and Drink!

BID FOR TICKETS ON EBAY

ADDRESS

Earls Court Exhibition Centre
Warwick Road
LONDON SW5

TRAVEL

Nearest Tube: Earls Court (Piccadilly & District lines)/West Brompton (for Earls Court) (District)/Kensington Olympia (District)

40. What was the latest possible date for visitors to visit this show?

18th January (2004)

41. For how many days did the show last?

9th, 10th, 11th, 12, 13th,
14th, 15th, 16th, 17th, 18th

10

42. What is the benefit of buying tickets online?

discounted price / cheaper

43. List three features which you can see at the London Boat Show.

1. Turkish Harbour

2. Windsurf

3. Try Dive

} any order

44. Why won't you be able to see the London Boat Show at Earls Court in 2005?

moves to a new venue

45. The following words end in either **sion** or **tion**.

Write the correct ending for each of the following words.

celebra tion

excur sion

exhibi tion

nutri tion

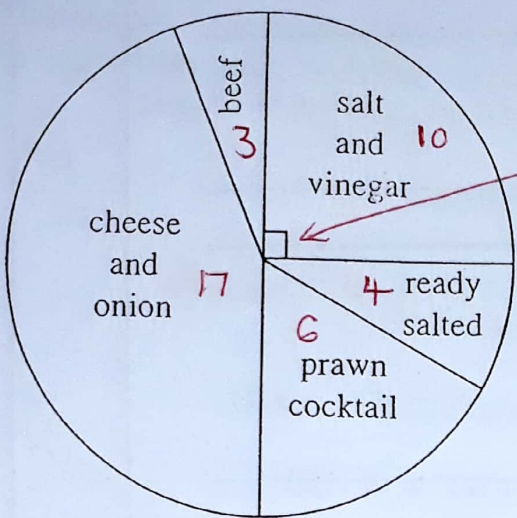
informa tion

persua sion

All 4 = 2 marks
2 or 3 = 1 mark

Do not write in this column	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
8	

Look at the pie chart below. It shows the flavours of crisp packets bought by 40 children at the school tuck shop. 3 children bought beef and 4 children bought ready salted.



right angle
 $\frac{1}{4}$ of circle so $\frac{1}{4}$ of 40 = 10

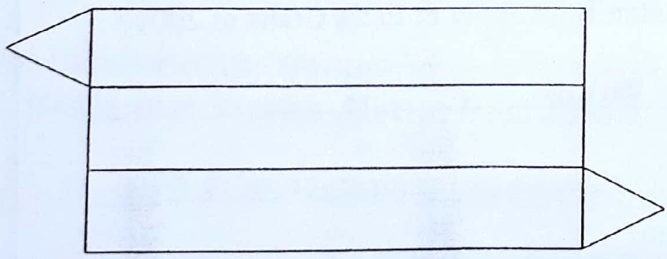
34. How many children bought prawn cocktail crisps?

6

35. How many more packets of cheese and onion were bought than salt and vinegar?

7

36. Which of the following shapes would this net form? Circle the correct shape.



triangular pyramid

cuboid

tetrahedron

triangular prism

37. Find a way to divide each of the two shapes below into 4 identical triangles.

or similar

