

Heinemann

Set 1

P7 Transfer Test

Paper 2

Time allowed: 1 hour

Please complete the following information:

Name: _____

Class: _____

Teacher: _____

Date: _____

Do not turn over or open this paper until you are told to do so.

You are allowed to do rough work at the side of the page or on another sheet of paper.

You have one hour to complete the test.

Answer all **52 questions** in this test.

Mathematics		
Page	Marks	Score
1	(5)	
2	(5)	
7	(5)	
10	(7)	
11	(4)	
Total (26 Marks)		

English		
Page	Marks	Score
3	(2)	
4	(7)	
5	(2)	
6	(7)	
13	(1)	
14	(7)	
Total (26 Marks)		

Science		
Page	Marks	Score
8	(6)	
9	(5)	
12	(7)	
15	(5)	
Total (23 Marks)		

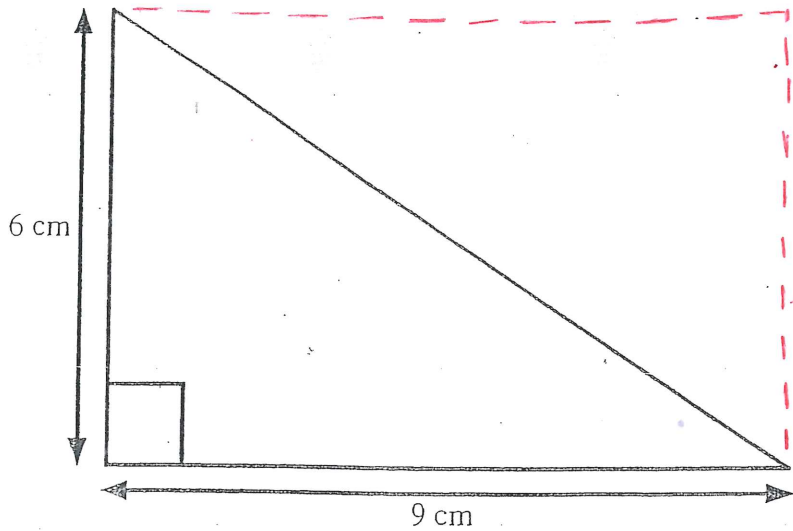
TEST SCORE	
Total (75 Marks)	

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1. Calculate the area of this triangle.



The area of the rectangle = $6 \times 9 = 54 \text{ cm}^2$
 The triangle is $\frac{1}{2}$ of the rectangle
 $54 \div 2 = 27$

27 cm²

2. Look at the number below.

Double the number.

9.70

$$\begin{array}{r} 9.70 \\ \times 2 \\ \hline 19.40 \end{array}$$

19.4

19.40

3. John has a fair dice which is numbered 1 to 6. *so 6 possible answers*

What is the chance of each of the following happening?

Tick the correct box for each statement below. *exactly half so 3 out of 6*

0, 1 or 2 chances
 Less than
 Even

exactly half so 3 out of 6
 ↓
 Even

4, 5 or 6 chances
 More than
 Even

The dice will land on a number less than 2. *1 or 2*

The dice will land on an even number. *2 or 4 or 6*

4. $134 - n = 36$

What is the value of n ?

$n =$ 98

To find the missing number, take 36 from 134

$$\begin{array}{r} 134 \\ - 36 \\ \hline 98 \end{array}$$

Do not write in this column

✓

✓

✓

✓

✓

The table below shows the top seven positions in a darts league; the name of each player; the number of games played and the number of points gained.

Position	Player	Games Played	Points Gained
1st	John	15	29
2nd	Mary	15	27
3rd	Susan	13	26
4th	Brian	13	23
5th	Alex	15	21
6th	Robin	14	20
7th	Karen	13	19

Do not write in this column

Each player plays 15 games in a full season.

Points are awarded as follows:

2 points for a win

1 point for a draw

0 points for a loss

- How many points will Karen finally end up with if she has one win and one draw in her remaining two games?
2pts *1pt*
- Who is the only player in the list who can possibly finish ahead of John when all the remaining games have been completed at the end of the season?
- What is the largest maximum number of points that Brian can achieve when he has completed all 15 games?
- Which player has currently won all their games?
- Which player has won 14 games and drawn only once?

Points 22 ✓

2 games left = 4pts
Player Susan ✓

2 games left = 4pts
Points 27 ✓

13 x 2pts = 26pts
Player Susan ✓

14 x 2pts = 28pts 1pt
Player John ✓

Visiting Paris

1 Paris is divided into two parts by the River Seine which wanders through the city. The River Seine is the spine of the city of Paris and a boat trip provides many wonderful photographic opportunities. Drift lazily under the 'Pont Neuf' bridge and cruise past majestic buildings and monuments.

2 Many of Paris's most famous sights are dotted along the banks of the Seine. Don't miss the Louvre museum, the Eiffel Tower, or the Notre Dame Cathedral which is famous worldwide as the setting for Victor Hugo's novel, 'The Hunchback of Notre Dame.'

3 No trip to Paris is complete without a climb to the top of the Eiffel Tower where tourists can enjoy magnificent views of the city of Paris. Constructed for the 1889 Paris Fair, this towering iron structure dominates the city skyline.

4 The Louvre is one of the world's largest museums and receives more than four million visitors annually. Highlights of the Louvre collection include the world famous sculpture of 'Venus du Milo' and the even more famous painting by Leonardo da Vinci of the 'Mona Lisa'.

5 If you want to see a lot of museums or monuments on your visit, then consider buying a one day pass (15 euro); a three day pass (30 euro); or a five day pass (45 euro). These passes not only allow you free entry to some 70 sites but also allow you to skip any long queues which may have formed outside.

6 Cheap flights are available from many UK airports and many travel agents can also help you to find reasonably priced accommodation.

10. Which word in the first paragraph means the same as backbone?

Spine

11. Which phrase of two words in the article shows that a cruise on the River Seine isn't rushed?

Drift lazily

Do not write in this column

12. Find words in the article which are synonyms for each of the following four words or phrases. Write the words in the spaces below.

visitors tourists

book novel

each year annually

inexpensive cheap

All 4 = 2 marks
2 or 3 = 1 mark

13. Find a phrase of four words which means the same as bisected.

divided into two parts

14. Give two main reasons for buying a one day, a three day or a five day museums and monuments pass.

(1) free entry

(2) skip long queues

} both = 1 mark

15. Name three unmissable tourist sights in Paris.

Louvre

Eiffel Tower

Notre Dame

Venus du Milo

Mona Lisa

} Any three

Do not write in this column

✓

✓

✓

✓

✓

✓

✓

On-Line Encyclopaedia

1 The new 'Worldwide Encyclopaedia' is now available for the first time ever as an on-line subscription service on the Internet. Over 3 million articles can be viewed, printed or downloaded for the incredibly low annual cost of only £30.

2 Your children will be astounded by the magnificent illustrations and multimedia presentations which bring many different school subjects to life. Admire the many beautiful wildlife photographs which illustrate the natural beauty of our world; enjoy the many stunning works of art currently housed in the most famous museums of the world; read inspiring first hand accounts of events that changed world history; follow in the footsteps of famous adventurers as they explore earth and outer space; and watch in wonder as famous events of the twentieth and twenty first century unfold in a spectacular series of short video clips on your very own computer screen.

3 Go to *www.worldwide_encyclopaedia.com* and sign up for a free 5 day trial of this wonderful information resource. We guarantee you complete client satisfaction or a complete refund if you are not satisfied with the service within the first month of joining.

4 This offer expires on the July 31st and is strictly limited to one free trial per family. Terms and conditions apply. No facilities exist for payment by cash or cheques but all major credit cards are currently accepted.

16. Look at the first paragraph. Find a phrase of two words which means the same as 'yearly fee'.

annual cost

17. Which word in the last paragraph means the same as 'runs out'?

expires

Do not write in this column

✓

✓

18. Some of the following statements are either true or false.

Tick the correct box.

Short video clips can be viewed.

True

False

The annual cost is less than £20.

Payment cannot be made in cash.

There are very few wildlife photographs.

All 4 = 2 marks
2 or 3 = 1 mark

Do not write in this column

✓

✓

19. Look at the second paragraph.

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

Write your answers in the spaces provided.

explorers

adventurers

altered

changed

well known

famous

✓

✓

✓

20. What is the main subject of this article?

Tick the best answer.

a reference manual

a paragraph from a book

an advertisement

trying to sell you something

an encyclopaedia index

✓

21. Why would you not get your money back if, after three months, you were an unsatisfied customer?

refund only within the first month of

joining

✓

22. Mary's mum bought 20 packets of crisps at 25p per packet.

$\frac{25p \times 20}{500p}$ or £5.00

She then used a voucher which offered a 10% discount for every packet of crisps purchased.

$£5.00 \div 10 = 50p$

Which of the following amounts of money did she pay for the 20 packets of crisps?

$£5.00 - 50p$

Tick the correct box.

£3.80

£5.00

£4.50

23. Put these decimal fractions in order from the smallest to the largest.

50.50

45.50

4.50

5.40

4.05

Think money!

4.05

smallest

4.50

5.40

45.5

or 45.50

50.50

largest

24. Complete this calculation:

$17.42 \times 6 = 104.52$

$$\begin{array}{r} 17.42 \\ \times 2.6 \\ \hline 104.52 \end{array}$$

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

31.5

$+ 13.7 = 45.2$

$$\begin{array}{r} 45.2 \\ -13.7 \\ \hline 31.5 \end{array}$$

26. Which two angles below are obtuse angles? $91^\circ - 179^\circ$

Tick the correct box.

25°

90°

225°

91°

170°

345°

both

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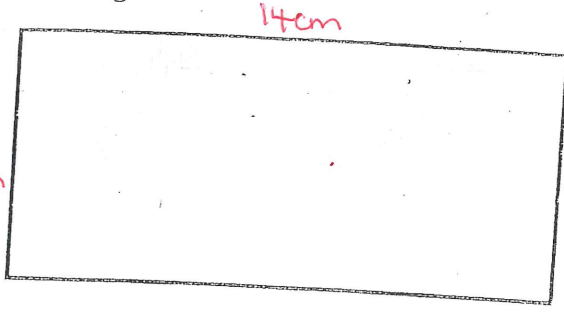
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34. Jenny draws this rectangle.

The length of the rectangle is 14 cm.

The breadth of the rectangle measures half the length of the rectangle.

$14 \div 2 = 7$



Find the area of the rectangle.

$$\begin{array}{r} 14 \\ \times 7 \\ \hline 98 \end{array}$$

The area is 98 cm²

35. The manager of a Sports shop decides to reduce the price of a rugby ball by 10% and increase the price of a tennis racket by 5%. The rugby ball is currently priced at £14.20 and the tennis racket costs £1 less.

$10\% = \frac{10}{100}$ so \div by 10
 $\pounds 14.20 \div 10 = \pounds 1.42$

What are the new prices for each of these items?

A Rugby Ball is now priced at:

£ 12.78 $\frac{14.20 - 1.42}{12.78}$

$5\% = \frac{5}{100}$ so divide by 20
 $\pounds 13.20 \div 20 = 66p$

A Tennis Racket is now priced at:

£ 13.86 $\frac{13.20 + 0.66}{13.86}$

36. Class 5a did a survey of motor vehicles that passed their school over a period of thirty minutes.

The children used tally marks to record their findings.

	Tally	Total
Vans		14
Cars		36
Buses		10

Complete the total column for each vehicle.

How many vehicles did they see altogether?

60

How many more vans were there than buses?

4

37. The fuel tank in a car contains a maximum of 50 litres of unleaded fuel. A litre of fuel costs 82 pence per litre.

What is the cost of filling the fuel tank to maximum capacity if it is now exactly half full?

25 litres

$$\begin{array}{r} 82p \\ \times 25 \\ \hline 410 \\ +1640 \\ \hline 2050p \\ = \pounds 20.50 \end{array}$$

GO STRAIGHT TO PAGE 11

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✓

✓

✓

✓

✓

✓

✓

7 Marks

Bottlenose Dolphins

1 It is generally regarded that bottlenose dolphins are among the most intelligent of all marine mammals. They weigh between 200 - 300 kilos and reach an average size of 3 metres but some have been know to grow to as much as 4 metres in length.

2 Bottlenose dolphins can be found in both the Pacific and Atlantic Oceans but prefer warm to tropical water. They often live for 30 to 50 years. A streamlined body and a very strong tail enable a dolphin to swim at great speed.

3 Dolphins use echolocation to locate their prey and use high-pitched clicks to stun their victims. They sometimes hunt in groups and herd shoals of fish toward shore for feeding. Their main diet consists of a wide variety of fish, cephalopods (such as squid and octopus), and other types of marine life. Dolphins can consume as much as 15 kilos of sea life in one day.

4 In some parts of the world many dolphins have died after becoming entangled in the deadly transparent mono-filament nets used by fishing boats to catch tuna. The majority of tins of tuna, for sale in major supermarkets, now carry a 'Dolphin Safe' label which states that no dolphins were killed in netting the tuna.

5 You can help to preserve the dolphin by refusing to buy tins of tuna which do not carry a 'Dolphin Safe' label.

44. In which two oceans can bottlenose dolphins be found?

Pacific

Atlantic

both

Do not write in this column

✓

1 Mark

45. Which word is used in the article to describe a 'school' of fish?

shoal

46. Name two cephalopods which are mentioned in the article.

squid

octopus

both

47. Name two factors which enable a dolphin to swim through the water at great speed.

1. streamlined body

both

2. strong tail

48. What causes the death of many dolphins?

tangled in fishing nets

49. Find words in the article which are the opposite of the following three words.

Write your answers in the spaces provided.

minority

majority

opaque

transparent

lost

found

Do not write in this column

✓

✓

✓

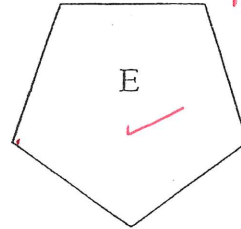
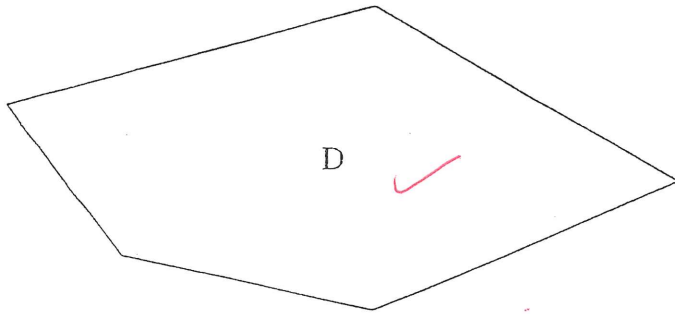
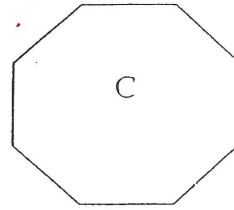
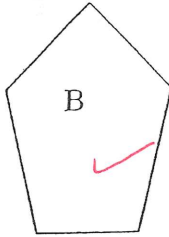
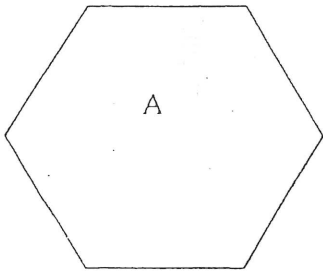
✓

✓

✓

✓

38. Put a tick inside each of the ^{5 sides} pentagons below.



All 3

39. Which of the shapes is a regular octagon? ^{8 sides} _____ C _____

Paul is paid £6.25 each week for delivering the evening newspaper in his local neighbourhood.

He is saving the money that he earns each week to buy a computer game that costs £47.50.

40. Paul has already saved 5 weeks' pay.

$$\begin{array}{r} 6.25 \\ \times 5 \\ \hline \pounds 31.25 \end{array}$$

$$\begin{array}{r} 47.50 \\ - 31.25 \\ \hline 16.25 \end{array}$$

Tick one of the following boxes to show how much money he has saved.

£24.50

£30.25

£31.25

£43.50

41. How much more does he need to save?

£ 16.25

Do not write in this column

✓

✓

✓

✓