



The Peterborough School

ENTRANCE EXAMINATION FOR YEAR 7 ENTRY

SAMPLE PAPER

REASONING

40 MINUTES

Name:

Write your answers in the spaces provided.

If you cannot do one of the questions, go on to the next one.

If you finish early, go back and check your work and try to complete any questions you left out.

In each of the following questions, one word, written, written in capitals, has its letters in the wrong order. Re-arrange the letters so that you make a correctly spelt word that will make sense in the sentence. Write your answer on the line next to the sentence.

- 1 I would like to play the trombone or NIPOA. _____
- 2 My granddad hates EIGNEEMBRMR what happened yesterday. _____
- 3 The man was found ILGYUT and sent to prison. _____

Fill in the gaps in these sequences.

- 1 3, 7, 12, 18, _____, _____, 42
- 2 2a, 4d, 6g, _____, _____,
- 3 ANT, BOU, CPV, _____, _____
- 4 4, 52, 14, 42, _____, _____
- 5 attic, cat, atlas, sat, heart, _____

Which letter occurring more than once in REMEMBERING comes latest in the alphabet? _____

Find the letter occurring more than once in XYLOPHONE and write down the letter which comes before it in the alphabet. _____

Using the alphabet below, crack the following codes and write your answers in the brackets.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- 1 If USJBOHMF means TRIANGLE what does SFDPSEFS mean. (_____)
- 2 If FMPQC means HORSE, what does BMLICW mean? (_____)
- 3 If FORQFBW means CROTCHET, what does PFQFP? (_____)

Underline two words, one word in each of the lists, which are the most opposite.

- 1 (cold, rainy, frosty) (wet, warm, hot)
- 2 (pause, commence, slow) (stop, hold, vivacious)
- 3 (whisper, quiet, loud) (deafening, whimper, shout)

In each question below, one letter from the word on the left must be moved into the word on the right to make two new words. The letters must not be re-arranged. Both new words must make sense. Write the two new words in the spaces provided.

	Example.	CLIMB	LOSE	Answer	LIMB	CLOSE
1	CHEAT	WARS		_____	_____	
2	PAINT BRAN			_____	_____	
3	FIRST	PAWN		_____	_____	
4	CLOTH	SORT		_____	_____	

Three of these four words are given in code.
The codes are *not* written in the same order as the words and one code is missing.

PALM	LAST	ROSE	MEAT
8647	1458	5437	

For the following questions write the answers in the space provided.

- Find the code for the word METAL _____
- Find the code for the word SMALLEST _____
- Find the word for the code 7455637 _____

In each question, find the number that will complete the sum correctly and write it in the space provided.

- | | |
|---------|--|
| Example | $25 + 17 - 3 = 12 \times 3 + (3)$ |
| 1 | $15 \times 4 + 24 = 58 + (\quad)$ |
| 2 | $7 \times 5 - 3 = 8 \times 2 + (\quad)$ |
| 3 | $70 \div 5 \times 3 = 2 \times 3 \times (\quad)$ |

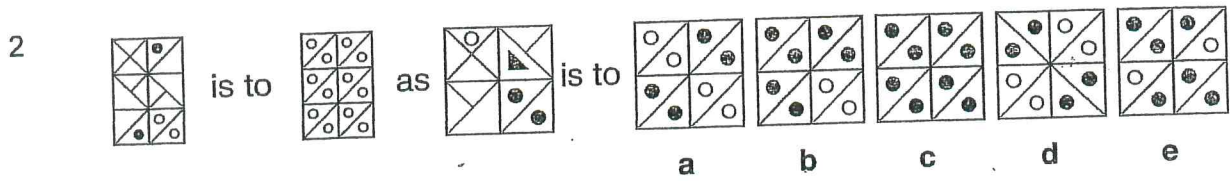
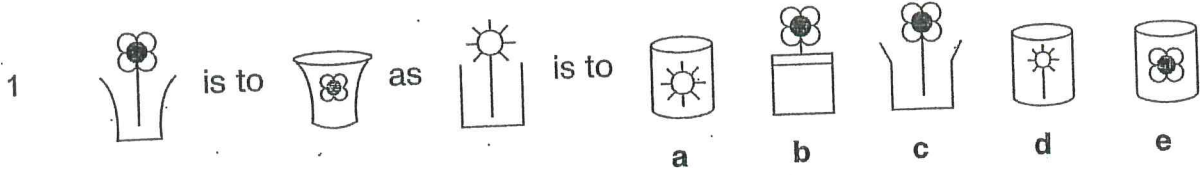
Find the FOUR-LETTER word hidden at the end of one word and the beginning of the next word. The order of the letters may not be changed. Write the hidden word on the line next to the question.

- The house was surrounded by a circular drive. _____
- Wait for him please at the top of the stairs. _____
- The tide appears to be receding. _____

Hannah and Joanna like science and geography. Joanna and Lucy like geography and history. Caroline and Hannah like mathematics and science.

- Who likes mathematics but not geography? _____
- Who likes geography but not history? _____
- How many of the girls like science? _____

Which shape or pattern completes the second pair in the same way as the first pair?



Which of the shapes belongs with the group on the left?

