

Name: _____

Roll No. _____

SIDDEEQ PUBLIC SCHOOL**ENTRY TEST: 46****ENGLISH****MAX. MARKS: 20****ADMISSION TO CLASS:8**

Checked by	Srv #	Sign:	Rechecked by	Srv #	Sign:	Marks:
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Vocabulary

Q.1 (A) Encircle the correct spelling. (0.5x2)

- alkaline / alkeline / alkiline / allkaline
- lenear / linear / lineer / linnear

(B) Provide meanings either in English or in Urdu. (0.5x4)

- awkward _____
- fraction _____
- expand _____
- remedy _____

(C) Complete the columns. (0.5x6)

Words	Opposites	Nouns	Verbs	Adjectives
	nasty	addition		
stubborn			bore	

Grammar

Q.2 Fill in the blanks with suitable Articles and Prepositions. (0.5x4)

_____ unparalleled efforts of our scientists have made this world _____ better place _____ live in. With the inventions _____ many devices, man can overcome any hurdle whatsoever.

Q.3 (A) Complete each sentence by choosing the correct word. (1.0x3)

- A hundred dollars _____ a great value. (have / was / has)
- He _____ not reported about the theft to the police. (do/ did/ had)
- Has the caged bird _____ away? (flew/ flown / flown)

(B) Do as Directed. (1.0x3)

- That architect has not designed this house. (Change into Passive Voice)
- _____
- Did the students take the test? (Change into Future Simple Tense)
- _____
- Saim said, "My mother will meet you today." (Change into Indirect Speech)
- _____

Sentence Construction

Q.4 Make meaningful sentences of these Words. (1.0x3)

- fainted: _____
- shocking: _____
- expertly: _____

Q.5 Translate into English. (1.0x3)

■ وہ مضمون لکھنا ختم کر چکا ہے۔

■ کیا تمہارا گھر میرے دفتر کے قریب تھا؟

■ وہ نئے جوڑے کا انتظار نہیں کر رہی تھی۔

Answer Key to Class: 8

ENGLISH

Q1. A) Correct Spelling

- alkaline
- linear

B) Words/Meanings

Awkward: clumsy, inappropriate, rude

عجيب •

Fraction: fragment, chunk, portion

حصه •

Expand: increase, grow, enlarge

پھیلانؤ •

علاج •

Remedy: cure, treatment

C) Words/Opposites

Nasty: calm, nice, delightful

Noun-Verb-Adjective

- addition-add-additional/ additive

Stubborn: flexible, nice, kind

- boredom-bore-boring/ bored

Q2: Articles, Prepositions

The unparalleled efforts of our scientists have made this world **a** better place **to** live in. With the inventions **of** many devices, man can overcome any hurdle whatsoever.

Q3: Sentence Completion

- A hundred dollars **has** a great value.
- He **had** not reported about the theft to the police.
- Has the caged bird **flown** away.

B) Do as directed.

- This house has not been designed by that architect.
- Will the students take the test?
- Saim said that his mother would meet you that day.

Q4: Sentence Construction

- Fainted
- Shocking
- Expertly

Q5: Translation

- He has finished writing the essay.
- Was your home close to my office?
- She was not waiting for the new dress.

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SIDDEEQ PUBLIC SCHOOL

ENTRY TEST ... 46 MATHEMATICS Max. Marks: 20 ADMISSION TO CLASS: 8

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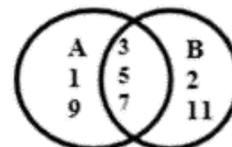
1. Complete the following mathematical statements. (1.0 × 4)

i. If area of a square is $(x - y)^2$ then length of its each side is _____ .

ii. $\sqrt{\frac{16}{9}}$ is a/an _____ number. (Insert: Rational or Irrational)

iii. If we take product of $(a^2 - b^2)$ with zero polynomial, the result is _____.

iv. Set A = { _____ }, by looking at given Venn diagram



(4.0)

2. Find the square root of $1 \frac{1287}{2809}$ by Division method.

3. (i) Factorize: $4x^2 - 12xy + 9y^2$

(ii) If $p:q = \frac{1}{3} : \frac{1}{6}$ & $r:q = 4:1$, find p: r. (2.0×2)

(Give your answer in most simplified form)

4. A man cycles for 5 hours at a speed of 18km/h and then walks for 2 hours at a speed of 4km/h. Find his average speed for the whole journey? (4.0)

5. Ayesha has 45 sweets and Sadia has 75 sweets. How many sweets must Ayesha give to Sadia, so that Sadia will have 4 times as many sweets as Ayesha. (4.0)

(Write equation for given situation and find solution)

(Use back of the sheet for Q5)

MATHEMATICS- 8

ANSWER KEY

1. (i) $x - y$ (ii) Rational (iii) zero polynomial / zero (iv) $A = \{ 1, 3, 5, 7, 9 \}$

2. Square root of $1 \frac{1287}{2809} = \sqrt[2]{1 \frac{1287}{2809}} = \sqrt[2]{\frac{4096}{2809}} = \frac{\sqrt[2]{4096}}{\sqrt[2]{2809}} = \frac{64}{53} = 1 \frac{11}{53}$

Working:

$ \begin{array}{r} \overline{) 64} \\ \underline{60} \\ 40 \\ \underline{36} \\ 496 \\ \underline{496} \\ 0 \end{array} $	$ \begin{array}{r} \overline{) 53} \\ \underline{50} \\ 28 \\ \underline{25} \\ 309 \\ \underline{309} \\ 0 \end{array} $
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3. (i) $4x^2 - 12xy + 9y^2 = (2x)^2 - 2(2x)(3y) + (3y)^2 = (2x - 3y)^2$

(ii) If $p : q = \frac{1}{3} : \frac{1}{6} = \frac{1}{3} \times 6 : \frac{1}{6} \times 6 = 2 : 1$

$r : q = 4 : 1$ & $q : r = 1 : 4$

p : q : r

2 : 1

1 : 4

2 : 1 : 4

So $p : r = 2 : 4 = 1 : 2$

4. Distance covered on cycle = speed \times time = $18\text{km/h} \times 5 \text{ h} = 90\text{km}$

Distance covered on foot = speed \times time = $4\text{km/h} \times 2 \text{ h} = 8 \text{ km}$

Total distance covered = $90\text{km} + 8\text{km} = 98\text{km}$

Total time taken = $5\text{h} + 2\text{h} = 7\text{h}$

Average speed for the whole journey = $\frac{\text{Total Distance}}{\text{Total time taken}} = \frac{98\text{km}}{7 \text{ h}} = 14 \text{ km/h}$

5. Sweets Ayesha has = 45, Sweets Sadia has = 75

Let x be the sweets which Ayesha gives to Sadia.

According to given condition

$$75 + x = 4(45 - x)$$

$$75 + x = 180 - 4x$$

$$x + 4x = 180 - 75$$

$$5x = 105$$

$$x = 105 / 5 = 21$$

So Ayesha must give 21 candies to Sadia.

SIDDEEQ PUBLIC SCHOOL

ENTRY TEST ... 46

SCIENCE

Max. Marks: 10

ADMISSION to CLASS: 8

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Objective**Q.1 Fill in the blanks.**

(1.0×4)

- (i) Tiny air sacs present in our lungs responsible for transferring oxygen to blood capillaries are called _____.
- (ii) Plants in which pollination through _____ take place have bright coloured petals, nectar and pleasant smell.
- (iii) Boron has $5p^+$, $6n^0$ and $5e^-$, its atomic number is _____ and mass number is _____.
- (iv) Sound waves are _____ waves.

Short-Answer Questions*(Best three will be considered.)*

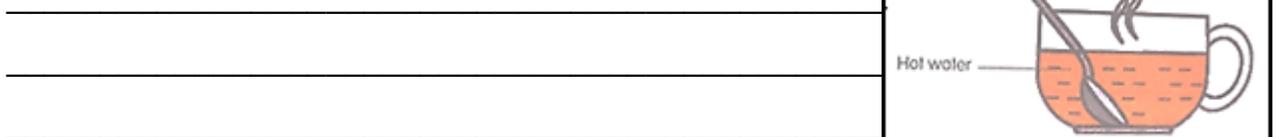
(2.0×3)

Q.2 Answer the following questions.

- (i) **Differentiate between population and community with the help of examples.**

POPULATION	COMMUNITY
<i>Difference</i>	
<i>Example</i>	

- (ii) **When we dip a metal spoon in a cup of hot water it becomes hot after sometime. Explain how this happens.**



- (iii) **To make a fruit salad, different fruits are cut into small pieces and if the salad is kept outside for few days it is spoiled. Mention with justification which change is physical and which is chemical.**



- (iv) **What do you understand by the term 'voltage'? Also briefly explain the relationship between voltage and resistance.**

Use backside of the sheet to answer.

ADMISSION TEST TO CLASS: 8
SCIENCE
KEY

Q.1 Fill in the blanks.

- (i) alveoli (ii) animals (iii) 5; 11 (iv) longitudinal

Q.2 Answer the following questions.

(i)

POPULATION	COMMUNITY
<i>Difference</i>	
Organisms of the same kind living and reproducing in a particular area.	All the populations of different kinds of organisms living together in an area.
<i>Example</i>	
Number of wolves in a forest	Wolves, all other animals, plants and microorganisms.

- (ii) The presence of free electrons in the metal spoon speeds up the transfer of heat. When the metal spoon is dipped in hot water it gets heated, the free electrons gain kinetic energy and move farther towards colder parts and transfer heat energy to them.
- (iii) Cutting of fruits: physical change because the composition does not change. Spoilage: Chemical change because the composition change.
- (iv) The difference of potential between two points in a circuit or battery is called voltage.
Resistance is the hindrance to the flow of current.

$$\text{Resistance} = \frac{\text{voltage}}{\text{current}}$$