

Bighelp Skills Ability Test (BSAT)

We are excited to introduce a new test that gives our kids an opportunity to understand their strengths and skills. We designed a well-balanced format that challenges the students in math, quantitative and verbal abilities (vocabulary, spelling and reading comprehension).

The test will have questions from three of the following sections depending on their grade level.

1. Math and Quantitative reasoning
2. Vocabulary
3. Spelling
4. Reading comprehension

Guide lines:

Parents are encouraged to read these rules prior to their children taking the BSAT.

Eligibility:

Children from 1st grade to 8th grade are eligible to participate.

Registration:

Registration must be done online. The students must be registered in one of the following 6 levels as per to their grade.

Level 1 – Grade 1:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and Spelling questions.

Level 2 - Grade 2:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and Spelling questions.

Level 3 - Grade 3:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and Reading comprehension.

Level 4 - Grade 4:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and reading comprehension.

Level 5 - Grades 5 & 6:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and Reading comprehension.

Level 6 - Grades 7 & 8:

- Students in this level will be challenged on Math/ Quantitative reasoning, Vocabulary, and Reading comprehension.

Duration of Exam: 60 minutes

Math: 30 minutes

Spelling/Vocabulary: 15 minutes

Reading Comprehension: 15 minutes

If you have any questions, please reach us at bsathelp@bighelp.org

Here are a few sample questions that will help the students prepare for the test:

Math:

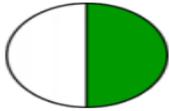
Level 1:

1. Find the sum
 - a. $2 + 8 =$ _____
2. Arrange these numbers in order, from least to greatest.
 - a. 21, 19, 20 _____, _____, _____
3. Draw the shape indicated.

1) Square	2) Rectangle
2) Circle	4) Oval

5) Triangle	6) Diamond

4. What fraction of the shape is colored? Circle the correct answer.



$\frac{1}{4}$

$\frac{1}{2}$

$\frac{4}{7}$

$\frac{1}{6}$

5. Count the horses and circle the right number



4

5

6

Level 2:

1. Find the missing number:

$$4 + 30 + \underline{\quad} = 134$$

2. Write the time below each clock.

1.



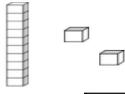
2.



3.



- Five oranges are in the basket. 20 more oranges are put in the basket. How many oranges are in the basket now?
- Find the total number of blocks.



$$= \text{ ___ tens + ___ ones = ______ }$$

- $20 \times 2 =$

Level 3:

- Write the Roman numerals in normal form.
 - XV = _____
 - XXX = _____
 - VIII = _____
 - XLII = _____

- Find the sums.

$$\frac{6}{9} + \frac{2}{9} = \text{ ______ } \quad \frac{1}{2} + \frac{1}{2} = \text{ ______ }$$

- James has 1222 balloons. Amy has 513 balloons. How many more balloons does James have than Amy? _____
- Convert the given measures to new units.
Note: 1 foot = 12 inches (in)
56 ft = _____ in
- Round to the nearest hundred.
 - 179 = _____
 - 195 = _____
 - 414 = _____

Level 4:

- $$\begin{array}{r} 8,779 \\ \times \quad 4 \\ \hline \end{array}$$

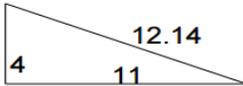
- $$6 \overline{) 6,360} = \text{ ______ }$$

- $$\frac{18}{100} = \text{ ______ }$$

- Mary's car gets 20 miles per gallon of gas. How far can she drive on 14 gallons of gas?
- A driving class begins at 9:15 a.m. It lasts for 4 hours and 30 minutes. At what time will the class end?

Level 5:

- Find the area.



- Note: 1 gallon (gal) = 4 quarts (qt) = 8 pints (pt) = 16 cups (c) = 128 fluid ounces (fl oz)
 - 12 qt = _____ pt
 - 20 gal = _____ c

- Find the lowest common multiple.

4 _____
 28 _____
 20 _____
 23 _____

- Complete the equivalent fractions.

$$\frac{4}{12} = \frac{96}{96} = \frac{24}{24}$$

- Mrs. Hilt baked 7 dozen cookies and sold them for \$4.25 per half-dozen. How much money would Mrs. Hilt make if she sold all of the cookies?

Level 6:

- Find the missing numbers:

_____ × 0.05 = 0.0015

- Find the quotient.

180 ÷ -10 = _____

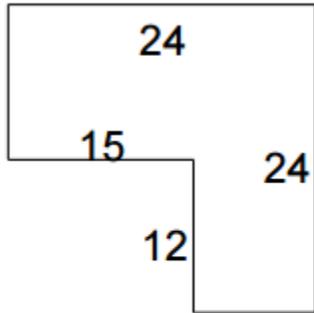
- Evaluate the following expressions.

$$100^{-2} = \underline{\hspace{2cm}}$$

4. Calculate the given percent of each value.

60% of 30 =

5. Find the perimeter and area.



Vocabulary:

Level 1:

A homonym is a word that sounds like another word but has a different meaning

Ex: The words to, two and too are homonyms

1. I know how _____ ride a bike.

Complete each sentence with 'am', 'is' or 'are'

2. Strawberries _____ almost ripe.
3. Tom _____ watering the flowers in his garden

Complete each sentence with the word 'I' or 'me'

4. Mom asked _____ to be careful
5. _____ walked downstairs

Level 2:

A compound word is a word that is made up of two or more words.

For example, the word Doghouse is made up of two words Dog and House

1. Draw a line from the word on left to one on right to make a compound word.

bed ship

country pot

moon side

space light

tea room

Complete each sentence with 'there is' or 'there are'

2. There ____ not one cloud in the sky
3. There ____ Kids playing in the playground

A homonym is a word that sounds like another word but has a different meaning

Circle the correct homonym to complete the sentence.

4. The (Hare/Hair) lost the race.
5. My (Flour/Flower) smells like perfume.

Level 3:

Its is a possessive pronoun

It's is a contraction that means it is

1. Complete each sentence with the word its or it's
 - a. The cat licked _____ paw
 - b. _____ going to rain tomorrow

2. Provide the word that best matches each clue

- a. About _____
- b. Good fortune _____
- c. Route _____
- d. Dust _____

i. Ashes ii. Around iii. Pathway iv. Luck

3. Circle the word that comes FIRST in alphabetical order.

- | | | | |
|-----------|---------|--------|-------|
| 1. rude | hoping | purr | porch |
| 2. learn | crawled | around | bow |
| 3. choice | porch | bow | peace |

4. For each question, only one is spelled correctly and matches the clue that is provided. Write the letter of correctly spelled word in the space

- 1. ___ A. ESCAPE B. ESAPE C. ESCCAPE D. SCAP
To get away.
- 2. ___ A. FAEL B. FAIL C. FAILL D. FAL
To fall short of success.

5. Write down the word that has opposite meaning

- a. Appear _____
- b. Flawed _____
- c. Harsh _____

i. Gentle ii. Perfect iii. Disappear.

Level 4:

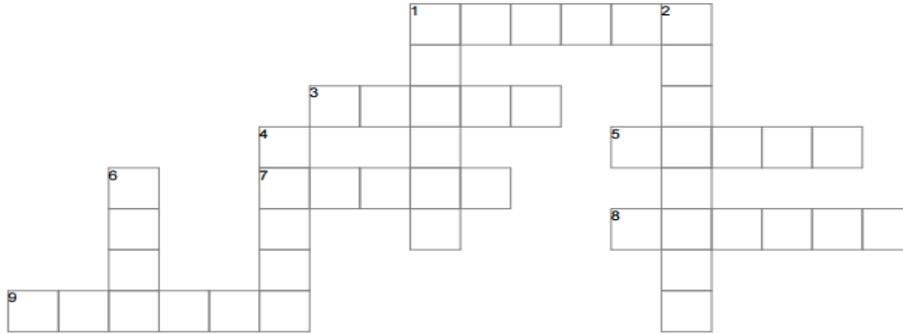
- 1. Complete each sentence with the word 'Hear' or 'here'
 - a. I didn't _____ you calling my name
 - b. _____ is the house I grew up in
- 2. The letters of the words below are jumbled. Figure out the word is and write it on the blank line provided
 - a. ADGGJE _____
 - b. EHCSRREA _____
 - c. TUHTGOH _____
 - d. ICNIMAUS _____

Hints:

- 1. Having ragged notches and points

2. To investigate
3. The product of mental activity
4. Someone who plays an instrument

3. Using the across and down clues, write the matching words in the number grid given below



ACROSS

1. exchanged
3. devoted
5. challenges
7. circular
8. blazing
9. complied

DOWN

1. attempting
2. differ
4. group
6. aching

- | | | | |
|-----------|-------------|-----------|-----------|
| A. trying | B. traded | C. round | D. crowd |
| E. loyal | F. dares | G. obeyed | H. bright |
| I. sore | J. disagree | | |

4. Write down the words that has the opposite meaning

1. _____ satisfaction
2. _____ together
3. _____ major
4. _____ inexperienced
5. _____ allow
6. _____ break
7. _____ inferior
8. _____ deny

- | | | | | |
|-----------|-----------|----------|----------|---------|
| A. master | B. apart | C. main | D. minor | E. mend |
| F. admit | G. remove | H. guilt | | |

5. The apostrophe has two functions

- a. To show possession/ownership E.g.: This is Ben's dog
- b. In contractions when a word or letter is missing: E.g.: Don't go inside (Do Not)

Place the apostrophes in the sentences below

- a. The actors wardrobe is stylish
- b. I wouldve gone to the movies, but I was too tired.

Level 5:

1. Complete each sentence with the word 'effect' or 'affect'

Affect is a verb meaning to act on, change or influence

Effect is a noun meaning a result, an impression or something that comes into being

- a. This argument wont _____ our friendship
- b. Bad weather has bad _____ on my mood

2. The letters of the words below are jumbled. Figure out the word is and write it on the blank line provided

1. HNGUTYA _____ 2. MRLSAII _____

3. ANEDRE _____ 4. SOAESNR _____

- 1. Disobedient, mischievous.
- 2. Having a likeness or resemblance.
- 3. To gain or get in return for one's labor or service.
- 4. Basis or cause.

3. Search for and circle hidden words

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

frustrate
squiggle

afford
active

freshly
wheel

courageous
exactly

4. Provide the word that best matches each clue (Synonyms)

- Impressive _____
- Dreadful _____
- Acquainted _____
- Tangible _____

Hints:

- i. Physical ii. Spectacular iii. Horrid iv. Familiar

5. Each word below has one letter missing. Print the correct letter in the space for each word.

	C	C			A		
A			U		A		
	C	C		R			
	C			R	A		
A				R		T	
	C	C		R			
A				R	A		
A	C		U				

Level 6:

- Which word doesn't belong to other
 - Liter

- b. Yard
 - c. Mile
 - d. Kilpmeter
 - e. Foot
2. Which of the following is closest in meaning to the word “aggravate”?
- a. Worsen
 - b. Sicken
 - c. Laugh
 - d. Soothe
3. William was reluctant at first, but he eventually acquiesced to our request

Select the word that best reflects the meaning of the underlying word.

- a. Enthusiastically agreed
 - b. Agreed
 - c. None of these
 - d. Refused
4. Mrs Dollars said she would _____ the flower-shaped custard-filled donuts herself
- a. Buy
 - b. Have been buying
 - c. Bought
 - d. Buyer
5. If the first two statements are true from the following, is the third statement true, false or uncertain
- a. All writers live in fear of a lonely, penniless death
 - b. I live in fear of a lonely, penniless death
 - c. I am a writer

Spelling:

Level 1:

6. Circle the correctly spelled word
- A. weird B. wurd C. weered D. weard
7. Each word below has one letter missing. Print the correct letter in the space for each word.

C	H		N
	H	I	N
C		I	N
C	H	I	

8. Circle the word that comes FIRST in Alphabetical order

a. Same Round Read Class

b. Hill Fresh Tail Test

9. For each question, only one is spelled correctly and matches its clue. Write the letter of the correctly spelled word in the space.

a. Scent:

_____ A. SMEL B.SMELL C.SJELL D.SMELLL

10. Write the below words in alphabetical order on the numbered lines provided

- a. Come
- b. Took
- c. Part
- d. Blew

a. _____ b. _____

c. _____ d. _____

Level 2:

1. The letters of the words below are jumbled. Figure out what the word is and write it on the blank line provided.

- a. SDEEP _____
- b. YDAR _____
- c. SHPRA _____

2. Each word below has one letter missing. Print the correct letter in the space for each word

S	H		R	E
S		A	R	E
S	H	A	R	
S	H	A		E
	H	A	R	E

3. Search for and circle hidden words

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

Desk Lick Slot Down

4. Provide the word that best matches each clue (Synonyms)

- a. -----Breeze
- b. ----- fact
- c. ----- constantly

- i. wind ii.always iii.truth

5. Write down the word that has the opposite meaning (Antonyms)

- a. Ignore _____
- b. Stare _____
- c. Quite _____

- i.Blink ii. Sound iii. Use

Reading Comprehension:

Level 3:

How to determine the meaning of a phrase from it's context in a fiction passage:

Adopted from "The princess and the Pea" by Hans Christian Andersen (Trans. Sommer 1897)

Once upon a time there was a prince who wanted to marry a princess; but she would have to be a real princess. He travelled all over the world to find one, but nowhere he could get what he wanted. There were princess enough, but it was difficult to find out whether they were real ones. There was always something about them that was not as it should be. So, he came home again and he was sad, for he would likely very much to have real princess.

One evening a terrible storm came on; there was thunders and lightening, and the rain poured down. Suddenly a knocking was heard at city gate, the old king went to open it.

It was a princess standing out there in front of the gate. The water ran down from her hair and clothes; it ran down into her toes of her shoes, and out again at the heels. She looked so destitute in the wind and the rain. And yet she said she was a real princess.

“Well, we’ll soon find that out”, thought the old queen. But she said nothing, went into her bedroom, took all the bedding of the bedstead, and laid a pea on the bottom; then she took twenty mattresses and laid them on top of the pea.

On this the princess had to lie down all night. In the morning, she was asked how she had slept.

“Oh, very badly!” said she. “I have scarcely closed my eyes all night. Heaven only knows what was in the bed, but I was lying on something hard, so that I am Blue and Black all over my body. It’s horrible”

Now they knew that she was real princess because she felt the pea right through the twenty mattresses and twenty eider-down beds.

Nobody but a real princess could be as sensitive as that.

So the prince took her for his wife, for now he knew he had real princess; and the pea was put in museum, where it may still be seen, if no one has stolen it.

Q: What does the princess mean when she says she is “Blue and Black” (underlined) all over her body???

Possible answers:

1. She is bruised and sore
2. Her make-up has been ruined in the rain
3. She has been painted in her sleep
4. None of these answers
5. She feels comfortable and well-rested

Level 4:

Reading Comprehension:

Adapted from the “Lion and the Mouse” by Aesop (trans, Jacobs 1909)

Once when a Lion was asleep a little mouse began running up and down on top of him; this soon woke up the Lion, who placed his huge paw upon the mouse, and opened his big jaws to swallow him, "Pardon, O king" cried the little mouse: "forgive me this time, I shall never forget it: who knows but maybe I shall be able to assist you one of these days?" The Lion was so tickled at the idea of the Mouse being able to help him that he lifted up his paw and let him go. Sometime after the Lion was caught in a trap, and the hunters who desired to carry him alive to the king. Tied him to a tree while they went in search of a wagon to carry him on. Just then the little Mouse happened to pass by, and seeing the sad plight in which the Lion was in. Went up to him and soon gnawed away the ropes that bound the King of the Beasts. "Was I not right?" said the little Mouse. "Little friends may prove great friends and a small mercy can go a long way"

Q: Through what virtuous characteristics did the Lion gain the loyalty of the mouse

- a. Being honest
- b. Showing mercy
- c. Expressing confidence
- d. Being funny
- e. Speaking proudly

Level 5:

Reading Comprehension Yet to put

Level 6:

Reading Comprehension Yet to put

Contest Day Guidelines

Pre-contest

- Check in time is at 11 AM.
- We all BSAT coordinators will meet in auditorium at 11:05 AM for a quick discussion.
- Lead will provide the list of Adult and youth volunteers, contestants list in Cafeteria.
- Connect with Adult and youth volunteers assigned for your level.
- Take youth and adult volunteers with you to respective classrooms.
- Please make sure that youth and adult volunteers have no conflict for that level.
- Ensure students from same grade are seated together.
- If required, writing pad needs to be distributed to the students and taken back after contest.
- As students start coming in classroom, please start checking them on the student list.
- Hold all students out of auditorium and cafeteria until 11:00 AM.
- After 11:00, start checking in students and allow them to enter the contest area.
- Ask kids to enter only with their pencil and eraser. Jackets and everything else should be given to parents.

- Though BSAT is not the first event, we should allow 10 min grace period as long as the latecomers do not cause disruptions. Please note no extension of time for latecomers. Contest ends at 12:30 for everyone.
- Lead make sure student booklets are reached in each classroom before 11: 30.

During-contest:

- Distribute student booklet to each student. Coordinator should sign the booklet before distributing. Make sure it is correct for that level.
- Coordinator to hold onto unused booklets.
- Make sure that all pages of question paper are included in the booklet.
- Make sure that every student writes their full name and parent cell number on cover page of their booklet.
- After checking the name, Sign on each booklet.
- Coordinator should count their own 1 hour. If they start at 11:35, they should end at 12:35 PM.
- **Bathroom Break:** If a student needs bathroom break, please ask youth volunteer to accompany them and bring them back. One student at a time.
- If a problem is found in particular question which need some clarification, then clarification needs to be announced to all the students in that level. No individual help.
- Students are not allowed to leave the classroom even if they are done. Please ask them to verify and double check. Students are expected to keep quiet during entire contest hour.
- Coordinators are responsible for collecting all the student booklets and owning them until all are evaluated and scoring and ranking is completed.
- Collect writing pad and hand it over to spelling bee team.

After-contest:

- After test time is over, move with all adult and youth volunteers to teacher's room for evaluations, as we have to empty the classroom for spelling bee.
- Ask youth volunteers to start evaluating papers and adult volunteers to double check and review youth volunteers' work. This way we maintain at least 2 levels of review for each paper.
- Start separating top 10 papers. Coordinator should personally recheck top 10 papers.
- Start ranking the papers.
- If there are joint ranks for 1, 2 or 3, then use tie-breaking rules mentioned below.
- Coordinator to show the lead all the papers tied for top 3 ranks.
- Math Bee lead to double check tie-breaks and approve it.
- Tie-Break round, if required will be held in teacher's room at 2:00 PM.
- Transfer marks in the student list.

Evaluation guidelines: Section A: Mathematics or Quantitative (Questions 1-15)

1. There are 15 questions in this section.
2. Each question carries 1 point. There are no partial marks.

3. Contestants must write the answer in the blank provided or circle the correct choice.
4. Only one of the answers MUST be circled, if it is a multiple choice question. Circling multiple answers is considered as wrong answer.

Evaluation guidelines: Section B: Vocabulary (Questions 16-25)

1. There are 10 questions in this section.
2. Contestants must write the answer in the blank provided or circle the correct choice.
3. Each question carries 1 point. There are no partial marks.
4. Units are not required in the answer.

Evaluation guidelines: Section C: Spelling or Reading Comprehension (Questions 26-30)

1. Levels 1 & 2 will be given spelling questions.
2. Levels 3, 4, 5 & 6 will be given reading comprehension questions.
3. There are 5 questions in this section.
4. Contestants must write the answer in the blank provided or circle the correct choice.
5. Each question carries 1 point.

Note. Total score received in all Sections A, B, and C will be considered for judging the winners. Maximum score received is 35.

Youth Volunteers:

Few things you can ask youth volunteers to help you with:

1. Check-in students on the list.
2. Make sure that they have pencil.
3. Make sure that after 11:15 AM all parents are out of auditorium and cafeteria. Close door if necessary.
4. After 11:15 AM, late arrivals allow only kids to enter classroom. Ask kids to enter only with their pencil and eraser. Jackets and everything else should be given to parents.
5. Distribute student booklet to each student.
6. Make sure that every student writes their full name and parent cell number on cover page of their booklet.
7. Make sure that all pages of question paper are included in the booklet.
8. After checking the name, Sign on each booklet.
9. Review other youth volunteer's checked booklet for accuracy and counting.
10. Transfer marks in the student list.
11. Write award winners 1, 2, 3 in award sheet.
12. Hold all the student booklet, score sheers and award sheet until everything is done for that level and then hand it over to lead.

Tiebreak: The tiebreaker rules apply ONLY if there are 2 or more students tied up for rank 1, 2 or 3.

1. After tabulations of combined scores from Section A (questions 1-15) and Section B (questions 16-25) and Section C (questions 26-35), if there is a tie, to break the ties, the BSAT coordinator and Lead may use additional measures (questions) to resolve them or award joint ranks.