Average cognitive abilities for 3 years old

Verbal
(pts.)
(1) Parents are able to understand child's speech.

(1) Ability to use at least ten nouns.

(1) Can name body parts: Get a doll and have them point out: eyes, nose, hair, legs, etc.

Non-verbal

(1) Create a tower of 8 cubes.

(3) Able to point to pictures:
        Can you point to the dog, tree, school, etc?

(1) Can imitate a vertical line.
        Draw a line next to this one:

Average cognitive abilities for 4 years old

Verbal
(pts.)
(10) Can define up to 10 words (can be how it's used or even just its shape)
    Examples: ball   house   apple

Words extend to verbs and adjectives:
(2) VERBS   Which one flies?   Which one barks?

(3) ADJECTIVES   What do you do when you are cold, hungry, tired?

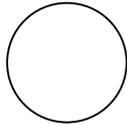(3) Able to actually name pictures:
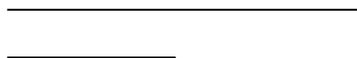   What is this?

Non-verbal

(4) Name four colors: Show me the blue block, red block, yellow block, and green block.

(1) Draw a person (with at least three or more body parts).
 (1) Draw these shapes.

(1) Can you tell me which one is longer?

Average cognitive abilities for 5 years old
Verbal
(pts.)

VOCABULARY/LANGUAGE CONCEPTS

(1) Identifies beginning consonant/vowel sounds
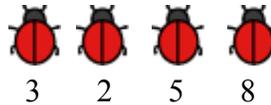(1) Recite alphabet.

Verbal applications

(1) Write (print) own name and address.
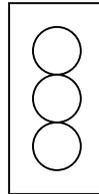(1) Write name of best friend, parents, siblings, pets.

Non-verbal
 Math
(1) Count to 10.
(1) Write numbers 1-10
(1) Write own telephone number.

(1) Draw the correct number of dots on each ladybug.

3   2   5   8

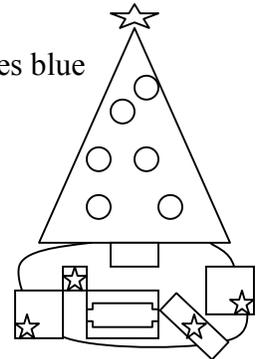PUZZLE/SPATIAL
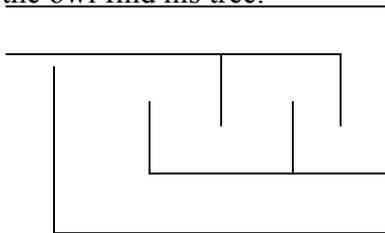(1) 25 piece puzzle.
(1) Color the following traffic light:

(1) Color the stars yellow, the triangles green, the rectangles red, the circles blue
        and the squares orange.

(1) Draw the shape that comes next:

△ ◯ △ ◯ _____

(1) Help the owl find his tree.

Average cognitive abilities for 6 years old
Verbal
(pts.)
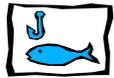
(6) VOCABULARY

Apple   Ball   Book   Doll   Horse   Truck

LANGUAGE CONCEPTS

(3) Sound out letters to begin reading words.   M-O-M,   P-I-G,   F-O-X
(4) Write the missing letter for each picture.

____ish   han___   S __ __ __   M __ __ __ __

(4) Write a word that rhymes with each of the above pictures.
(2) Say two nursery rhymes and then answer:
     What happens in each? Can what happens really happen? Is there a lesson?

Non-verbal
MATH Operations
(10) Fill in the squares:
(1) Count from 1-100

1	2		4	5	6			9	10
11		13	14		16	17		19	
21	22	23		25		27	28		30

(1) Write the addition number sentence:

     ♡ ♡ ♡   ☺ ☺

     _____ + _____ = _____

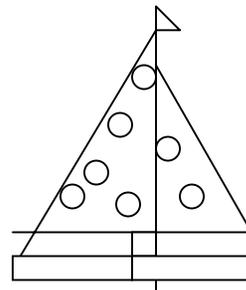(3) 2 + 1 = _____, 6 + 2 = _____, 5 + 4 = _____

PUZZLE/SPATIAL
(2) What comes next:
     red, white, white, red, white, _____
     ABCDABC___

(1) Find the different shapes in the picture then name them

(3) Fill in the correct times:

     _____   _____   _____

Average cognitive abilities for 7 years old
Verbal
(pts.)
(8) VOCABULARY

Blue	Book	Five	Friend	Mother	Play
This	Road				

LANGUAGE CONCEPTS

(2) Put these words in order to make a complete sentence.
   fast can You run
   dog took The nap a
(2) Use the following phrases to make a complete sentence:
   I like ….
   Can play …

Non-verbal
(10) MATH COMPUTATIONS

$11 + 6 =$ $8 - 5 =$
$21 + 3 =$ $16 - 2 =$
$8 + 8 =$ $13 - 6 =$
$4 + \underline{\quad} = 7$ $8 - \underline{\quad} = 1$
$\underline{\quad} + 9 = 14$ $\underline{\quad} - 5 = 13$

MATH SPATIAL

(6) Can you find the words:
boxes, lunch, city, car, snow, run

m	d	C	a	r	l	p
b	o	x	e	s	u	g
h	a	f	d	n	n	n
c	i	t	y	o	c	i
r	n	l	b	w	h	s

(1) Place in order: _____Bite into pizza
                    _____Pick up piece
                    _____Cut pizza into pieces

Average cognitive abilities for 8 years old
Verbal
(pts.)

(8) VOCABULARY

Children	Men	Monday	Quiet
School	Second	Spring	Breakfast

(3) Give a word that means the same/ opposite using the words below.

   Small _____/_____

   Close _____/_____

   Scream _____/_____

Non-verbal
MATH COMPUTATIONS

(3) Count from 1 to 100 by 2's, 5's, and 10's.

(9) $573 + 212 =$	$77-52 =$	$4982 + 1358 =$
$39-14 =$	$5 + 8 + 3 + 2 =$	$5 \times 1 =$
$2 \times 4 =$	$6 \div 2 =$	$9 \div 3 =$

(2) MATH SPATIAL

What comes before/after?

_____ 503 _____

_____ 23 _____

(1) Thomas counted 8 oranges, 7 pears, and 4 apples in a fruit bowl. What was the total
   number of fruit?

(1) Mary put 7 pennies, 3 nickels and 4 dimes in her bank. How much money did she
   put in?

(1) Measure the line in inches   _____

(1) If Jack had 4 dimes and a nickel, how much money would he have left if he bought a candy
bar for 25 cents?

Average cognitive abilities for 9 years old
Verbal
 (pts.)

(12) VOCABULARY

Assure	Advice	Refrigerator	Different	Ecosystem	Familiar
Prefer	Receive	Remember	Timid	Thought	Tomorrow

Non-verbal
MATH COMPUTATIONS
(1) Which number is greater? 3491, 3611, 3589, 3601

(1) We left the house at 9:00 and got to the park at 11:25. How long were we
    in the car?

(1) On Tuesday, Kay bought 6 pairs of pants for $14.95. She gave the clerk $20.00,
    how much change did she get back?

(1) Circle the even numbers and underline the odd numbers.
    26, 42, 85, 64, 73, 630

(6) $4.65 + $6.10 $\qquad$ $86 - 9 =$ $\qquad$ $ 8.69 - $4.32 =

   $14 \times 5 =$ $\qquad$ $(3 \times 2) \times 4 =$ $\qquad$ $12 \div 4 =$

MATH SPATIAL

(1) Which number is next ? 50, 44, 38, 32, _____.

(1) I can see 20 people on the street. 7 have open umbrellas and 11 have closed
umbrellas.
    How many don't have an umbrella at all?

(2) Draw a line of symmetry for each figure.

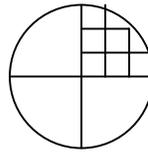## **Average cognitive abilities for 10 years old**
Verbal
(pts.)
<u>(10) VOCABULARY</u>

|				
Assemble	Resemble	Urgently	Disappeared	Instructor
Heritage	Endanger	Artificial	Suspicious	Colossal

<u>LANGUAGE CONCEPTS</u>
(1) Put vocabulary words in alphabetical order.

Non-verbal

<u>MATH COMPUTATIONS</u>

(1) What fraction does the shading represent?
½   1/3   ¼   1/5

(1) Which measurement would you use to estimate an elephant's weight?
    ounces, grams, milligrams, or pounds
(1) Which shape includes parallel lines?
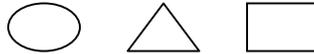
(1) List numbers from least to greatest: 4892, 1927, 857, 395
(6) 734 - 157 = _____   91 - 44 = _____   35 x 28 = _____
    84 ÷ 3 = _____   559 ÷ 4 = _____   2/8 + 3/8 = _____
 (1)   _____ inches = 1 yard
 (1)   _____ feet = 1 yard
 (1)   _____ inches = 1 foot

<u>MATH SPATIAL</u>
(1) Joey has 8 books. Roberto has twice as many books as Joey has. How many books
    does Roberto have?

(1) What are the next three numbers?   5, 10, 20, 40, ____, ____, _____
                                    ninth, tenth, eleventh, _____,_____,_____
(1) My number is between 0 and 15. It cannot be divided by 2 or 3. It is less than 13 but more
than 7. What is my number?

Average cognitive abilities for 11 years old
Verbal
(pts.)

(10) VOCABULARY

| Automobile | Dinosaur | Soccer | Ferocious | Anxiety |
| Mosquito | Opinion | Daughter | Thought | Brag |

LANGUAGE CONCEPTS
(1) Put vocabulary words in alphabetical order.
(1) Fact or Opinion: Purple is the prettiest color. Why?
(1) Write a paragraph using this sentence: I deserve more …
(allowance/food/space/freedom).

Non-verbal
MATH COMPUTATIONS
(1) What percent is equivalent to the fraction ¼ ?
(1) Write in order of least to greatest: .9, .4, 1.6, 1.1, .7
(1) How many millimeters are equivalent to 20 centimeters?
(5) 4762 x 7807 = _____   467 ÷ 37 = _____ $157.50 ÷ 25 = _____
       2/3 + 3/4 = _____   1/6 x 3/5 = _____

MATH SPATIAL
(1) If Tom has 3 shirts, 4 pants, and 3 ties. How many possible different outfits
    does he have?
(1) What is the next two numbers in this pattern? 4, 9, 6, 11, 8, _____, _____.
(1) Katie bought 7 bananas priced at $.50 each. She also has a coupon for $1.00 off the
total cost. How much does Katie need to buy the bananas?
(1) Which type of graph would be the best way to show the typical temperature during
the year?

Average cognitive abilities for 12 years old
Verbal
(pts.)

<u>(10) VOCABULARY</u>

Persistent	Compile	Declaration	Dedicated	Illegal
Confidential	Illiterate	Allocated	Prohibit	Abstain

<u>LANGUAGE CONCEPT</u>
(4) Write the correct abbreviations: United States of America, feet, February, ounce

Non-verbal

<u>MATH COMPUTATIONS</u>
(1) Which of the following are prime numbers?   6   7   11   15   51   53
(1) Find the prime factorization of 48.
(4) $2 \frac{3}{4} + 5 \frac{1}{4} =$ $6 \frac{4}{5} - 3 \frac{2}{5} =$
     $1 \frac{1}{5} \times 3 \frac{1}{2} =$ $\frac{3}{4} \times \frac{4}{5} =$

<u>MATH SPATIAL</u>
(1) Write the formula used to find the perimeter of a rectangle.
(1) List the following from greatest to least: 7.8, 7.56, 7.1, 7.85
(1) Mary needs ½ yard to make a shirt and ¾ yard to make matching pants. How
     much fabric does Mary need altogether?
(1) If Taryn can wash 2 cars every 45 minutes, how long will it take her
     to wash 5 cars?
(1) Cindy and 2 friends ordered a large pizza for $9.00, 3 large drinks for $0.99 each,
     and a salad for $1.50. If they split these costs evenly, write an equation that will
     help you find the total cost.

Average cognitive abilities for 13 years old

Verbal

(pts.)

<u>(10) VOCABULARY</u>

Adorned	Abundant	Encounter	Factual	Haughty
Impartial	Migration	Rehabilitation	Significant	Versatile

<u>(3) LANGUAGE CONCEPTS</u>

Which is spelled correctly?   receeding   receding   reseding

           suceeding   sucseding   succeeding

           intercede   intracede   intersede

Non-verbal

<u>MATH CONCEPTS</u>

(6) 1.456 + 45.2 =	2.126 - .833 =	1.333 + 1333 =
15 x .15 =	121.2 x .01 =	121 / .11 =

(1) Write 1/3 as a decimal and a percent.

(1) An angle that is exactly 90° is called a _____ angle.

<u>MATH SPATIAL</u>

(1) What was John's total distance traveled when he ran 2 ¾ mile, swam 1.8 miles and biked 5 ½ mile?

(2) Give a scenario for the following equations:

   $x + 5 = 13$ and $5x = 25$

(1) What is the average temperature: -10, 30, 15, -11 ?

(1) What is the volume of this rectangular prism?   2

                    3

             6

(1) If today is Sunday, what is the second day after tomorrow?

Average cognitive abilities for 14 years old

Verbal

(pts.)

(10) VOCABULARY

Agitate   Ambiance   Deteriorate   Declassify   Disengage   Eclectic
Garrulous   Insidious   Intransigent   Remonstrate

LANGUAGE CONCEPTS
(1) Read the following paragraph and explain the underlying basis for the conclusion.
   "Most people think of skiing <u>and</u> winter sights when they think of Santa Fe, New Mexico.
   But summer can be just as enjoyable a time to visit."
(1) Pick a vacation or event your family has taken and write a page about that experience. Judge
for organization and sentence completeness.
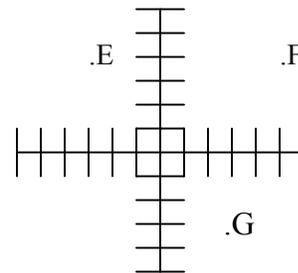
Non-verbal

MATH COMPUTATIONS
(1) Simplify $(3 + 5)^2$ x 2 – 6
(1) Solve for x: 2x + 5 = 12
(1) Find x.

3   x

21
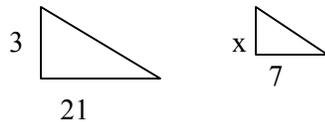
(1) Plot the following coordinates:
   A(1,2) B(3,4) C(-2,1) D(0,0)

.E   .F
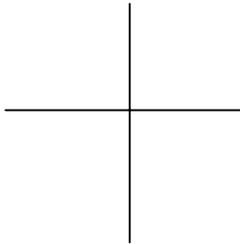
(1) Give the coordinates for the points above:
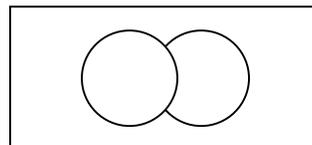   E(   ), F(   ), G(   )

.G

MATH SPATIAL
(2) What is next in each pattern?
   x, x – 1, x – 2, _____
   2, 3, 5, 9, _____
(1) If you have 3 blue, 4 white, and 5 red marbles in a bag and you pull one out of the
   bag, what is the probability it would be white?

U = 30
   10 = students who like Math only
   10 = students who like English only
(1)   What number of students like Math and English?
    3 = liked neither subject?

Average cognitive abilities for 15 years old
Verbal
(pts.)

<u>(10) VOCABULARY</u>

Anecdote	Compliant	Deft	Estrange	Incumbent
Infringe	Replenish	Replicate	Secluded	Synthesis

<u>LANGUAGE CONCEPTS</u>
(1) Choose which would be the correct pairs of analogies:
    Soothing: Aggressive   Architect: Construction
    Desire: Wish   Sickness: Health
    Contestant: Competition
(1) Write a review of a poem (Maximum one page).

Non-verbal
<u>MATH COMPUTATIONS</u>

(1) Solve the equation $4x + 5(x + 1) = 2x + 12$
(1) Solve the system (any method): $x + y = 1$
                                $4x + 8y = 8$

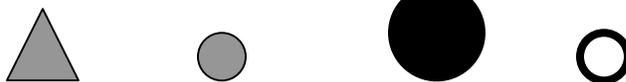(1) Simplify: $\dfrac{4a^5}{2a^3} \bullet \dfrac{(3a)^2}{a}$

<u>MATH SPATIAL</u>
(1) What is next in the each pattern:
    2/3, 2, 6, 18, _____
  -3, -2, -1, 1, 0, _____
(1) Sue is Taryn's father's brother's sister. How is Sue related to Taryn?

Options:

(1) What is the least number of trips will it take James to unload 22 boxes carrying a 3 boxes at a time?

14

Average cognitive abilities for 16 years old
Verbal
(pts.)

<u>(10) VOCABULARY</u>
Arduous   Callous   Contention   Disparate   Dissonance
Elated   Inclement   Misconstrue   Procrastinate   Regaled

<u>LANGUAGE CONCEPTS</u>
(1) What does this proverb mean? Don't put all your eggs in one basket.
(1) What does this proverb mean? You can't make an omelet without breaking eggs.
(3) What word would be the opposite to these words: Tardy, Frantic, Fragile
(3) What would be some synonyms to: Cajole, Dense, Powerful
(1) Use a book that has been read and discuss it.
(1) Write a persuasive speech to your class stating why you should be the president of your class.
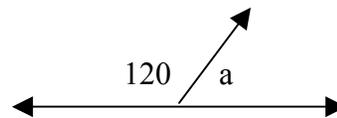
MATH COMPUTATIONS
(1) What is the area of the region ABCD?

10'

A   B
40'
50'
C   D
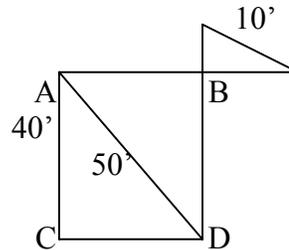
(1) Solve for the missing side?

3
4
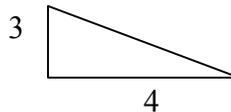
(1) The sum of the supplementary angles is _____°.
(1) Find the degree of ∠a.

120 a

MATH SPATIAL
(1) What does this 3-dimensional cube look like?
(1) Three friends went to dinner and the bill totaled $75.00. They added a 20 percent tip and equally split the check three ways. How much did each person pay?

(1) Complete the series:

?

options:

(1) Erica is twice as old as Lorri, but in ten years, Lorri will be as old as Erica. Five years ago, Erica was three times older than Lorri. What are their ages now?

Advance items

VOCABULARY (one credit per correct answer)

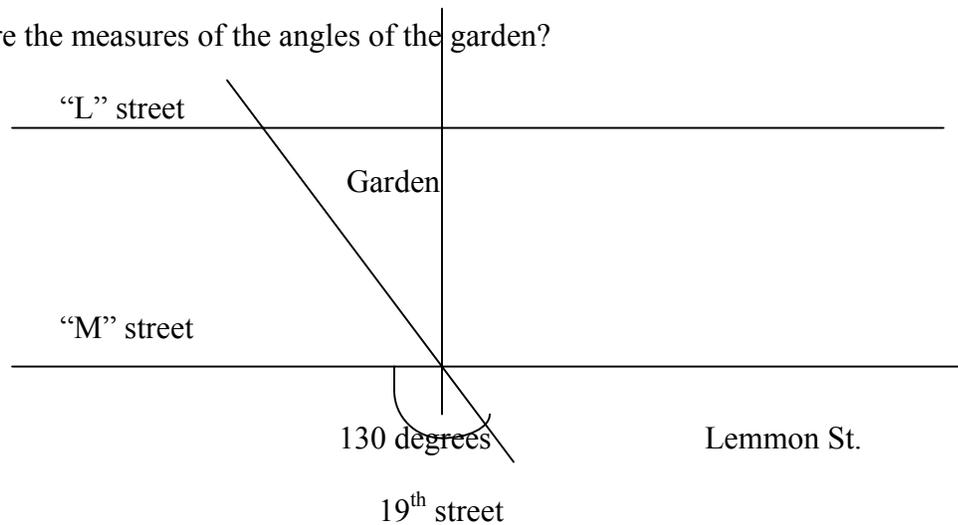|				
Abstruse	Adulate	Antedate	Calumny	Insipid
Lassitude	Perfidy	Purport	Recondite	Sedulous

LANGUAGE CONCEPTS (2 credits each)

What is the similarity of love and hate?

What is the difference between honesty and opinion?

MATH COMPUTATIONS (2 credits each)

1. What are the measures of the angles of the garden?

"L" street

Garden

"M" street

130 degrees   Lemmon St.

19th street

2. At a restaurant, the cost for a breakfast plate and a small glass of milk is $2.10. The cost for two breakfast plates and three glasses of milk is $5.15. Which pair of equations can be used to determine the cost of one breakfast plate (B) and the cost of a glass of milk (M)?

$B + M = 2.10$ $B + M = 2.10$
$2B + 2M = 5.15$ $3B + 3M = 5.15$

$B + M = 2.10$ $B + M = 2.10$
$3B + 2M = 5.15$ $2B + 3M = 5.15$

3. What is the probability of having heads come up four times in a row flipping a coin?

4. How many faces and edges does a square pyramid have?

5. The algebraic form of a linear function is: $d = \frac{1}{4}\,l$, where d is the distance in miles and l is the number of laps. Which of the following choices identifies the same linear function?

    a. For every 4 laps, an athlete runs 2 miles.
    b. For every 1 lap, an athlete runs 4 miles
    c. For every 8 laps, an athlete runs 2 miles
    d. For every 12 laps, an athlete runs 4 miles

6. Robert needed six batteries and is choosing from two brands of AAA batteries for his calculator. Brand A costs $5.50 for a package of three batteries, and Brand B cost $2.50 for a two battery pack. What percent of cost of Brand A batteries did Robert save if he bought the batteries of Brand B?

7. A fence around a square garden has a perimeter of 48 feet. What is the approximate length of the diagonal?

8. Create a problem in which the following formula would be used.

$$5 + 3x = 20$$