NumPA Form B Individual Assessment Sheet

* denotes cards needed # test booklet needed

Child's Name: _____ DoB: _____ Year: _____ Ethnicity: E M P A O Gender: M F Date: _____

Operational Strategy Questions

Addition and Subtraction (Strategy Windows)

(3) There are 8 counters under this card and 5 counters under this card. How many counters are there altogether?

(4) There are 9 counters under this card and 8 counters under this card. How many counters are there altogether?

(5) You have 37 lollies, and you eat 9 of them. How many lollies have you got left?

(6) There are 53 people on the bus. 26 people get off. How many people are left on the bus?

Stage 4 Advanced Counting		Stage 5 Early Additive Part-Whole	
Counts on		Derives addition and subtraction facts	

Comments

Multiplication and Division

(1) Here is a forest of trees. There are 5 trees in each row, and there are 8 rows. How many trees are there in the forest altogether?

If I planted 15 more trees, how many rows of 5 would I have then altogether?

(2) What is 3×20? If $3 \times 20 = 60$, what does 3×18 equal?

(3) What is 5×8? If $5 \times 8 = 40$, what does 5×16 equal?

Stage 2–3 Count from One		Stage 4 Advanced Counting		Stage 5 Early Additive Part-Whole		Stage 6 Advanced Additive Part-Whole	
Counts all the objects		Uses skip-counting		Uses repeated addition and/or uses known multiplication facts		Derives multiplication facts	

Comments

Proportions and Ratios

(4) Which of these cakes has been cut into thirds? Here are 12 jelly beans to spread out evenly on top of the cake. You eat one-third of the cake. How many jelly beans do you get?

(5) What is $\frac{3}{4}$ of 28?

Stage 1 Unequal Sharing		Stage 2–4 Equal Sharing		Stage 5 Early Additive Part-Whole		Stage 6 Advanced Additive Part-Whole	
Unequally shares objects		Shares objects physically or by imaging		Uses addition facts		Uses addition and multiplication facts	

Comments

Knowledge Questions

Forwards Number Word Sequence (FNWS) *

(6) Start counting from 10. I will tell you when to stop. (*Stop at 32.*)

For each number I show you, read the number then tell me the number that comes just after it, the number that is one more. For example, if I show you 4, you say 5.

(7) **12** (8) **17** (9) **29** (10) **99** (11) **209**

(12) **999** (13) **3 049** (14) **989 999**

Stage 2 Says FNWS up to 10		Stage 3 Says FNWS up to 20		Stage 4 Says number after up to 100		Stage 5 Says number after up to 1 000		Stage 6 Says number after up to 1 000 000	

Comments

Backwards Number Word Sequence (BNWS) *

(15) Start counting backwards from 23. I will tell you when to stop. (*Stop at 10.*)

For each number I show you, read the number then tell me the number that comes just before it, that is, the number that is one less. For example, if I show you 4, you say 3.

(16) **13** (17) **19** (18) **30** (19) **100** (20) **680**

(21) **900** (22) **2 400** (23) **603 000**

Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Says BNWS back from 10	Says BNWS back from 20 and number before	Says number before up to 100	Says number before up to 1 000	Says number before up to 1 000 000

Comments

Fractional Numbers # *

(24) Here are some fractions. Say each fraction as I show it. ($\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{2}$, $\frac{1}{6}$)

(25) Put these fractions (*from question 24*) in order from smallest over here to largest over here. (*If correct ask ...*) Why do you think one-quarter is less than one-third?

(26) Which of these numbers is the same as $\frac{8}{6}$ (*pointing to* $\frac{8}{6}$)? (*Show the numbers,* $\frac{6}{8}$, $1\frac{2}{6}$, $1\frac{1}{3}$, 1, $\frac{2}{14}$, *in the test booklet*) Explain how you know this.

Stage 2–3	Stage 4	Stage 5	Stage 6
Does not recognise unit fractions	Recognises unit fractions	Orders unit fractions	Co-ordinates numerators and denominators

Comments

Place Value *

Tell me the answer to ...

(27) A toy costs $80. How many $10 notes do you need to pay for it?

(28) A radio costs $230. How many $10 notes do you need to pay for it?

(29) What number is the arrow pointing to? How do you know?

(30) You have $26,700 in $100 notes. How many notes do you have?

(31) What number is three tenths more than 4.8? How do you know?

(32) How many tenths are in all of this number? 4.67

(33) Put these decimals (0.39, 0.478, 0.8) in order from smallest over here to largest over here.

Stage 4	Stage 5	Stage 6	Stage 7
Counts in tens	Knows tens in numbers to 1000, tenths among whole numbers	Knows hundreds in whole numbers, connects tenths and ones	Knows number of tenths in decimals, orders decimals

Comments

Basic Facts

What is the answer to...?

(34) **2 + 3** (35) **5 + 4** (36) **6 and what makes 10?**

(37) **6 + 6** (38) **9 + 9** (39) **10 + 4** (40) **7 + 10**

(41) **8 + 6** (42) **6 + 9** (43) **8 × 5** (44) **5 × 7**

(45) **17 – 9** (46) **15 – 6** (47) **6 × 7** (48) **8 × 4**

Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Instantly recalls facts to five	Instantly recalls facts for ten	Recalls doubles and teen facts	Addition facts and multiplication facts for 2, 5, 10	Subtraction and multiplication facts

Comments