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Grade: 6
School: STM
City: BALLARAT
Date: 22/7
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Section A - COUNTING Growth Point

1. Teddy task
   a. Estimate 40 b. Actual 31
   c. How many teddies? Correct count 31
   Error sequence (if any) 0
   d. How many now? 30 (one less / recounts)
   2. Forwards/backwards/breaking sequence
   a. 1 → 327 1, 2, 3, 5, 6 (error sequence)
   b. 53 → 629 53, 54, 55, 56 (error sequence)
   c. 14 → 119 14, 15, 16, 17 (error sequence)
   d. 24 → 107 24, 25, 26, 27 (error sequence)
   e. 10 → 1 10, 1, 10, 1, 10 (error sequence)

3. More and Less
   a. One more than 56 57
   b. One less than 56 55

4. Counting from 0 by 10s, 5s, 2s
   a. 10 10, 20, 30, 40, 50, 60, 70 (0-110)
   b. 5s 5, 10, 15, 20, 25, 30, 35 (0-110)
   c. 2s 2, 4, 6, 8, 10, 12, 14, 16 (0-30)
   d. 5 more than 35 40
   e. Known fact / More
      • Count by ones
      • Skip count from 0
      f. 10 less than 70 60
      g. Known fact / 10 less
      • Count back by ones
      • Skip count up to

5. Counting from x by 106, 56
   a. 23-103 (10s) 23, 33, 43, 53, 63, 73
   b. 24-54 (5s) 24, 34, 44, 54

6. Counting from x by y
   a. 11-35 (3s) 11, 14, 17, 20, 23, 26, 29, 32, 35
   b. 20-55 (7s) 20, 27, 34, 41, 48, 55

7. Counting money
   a. Stated total ($2.85)
   Method: Count coins and notes, then add
   b. Money needed for $5 ($2.15)

8. Reading and counting fractions
   a. 3/4 Two thirds
   b. Counting by 3/5 from 0 to 3 or 1 2/5
   c. 2/5

9. Reading and counting decimal fractions
   a. Three tenths / 0.3
   b. Three tenths

10. Circle answer (15/10, 1.5, 15 other)

Section B - PLACE VALUE Growth Point

8. Reading numerals - 1-4 digit numbers
   a. All 1st difficulty
   b. Cards 2nd difficulty
   c. 7 teddies

9. Calculator - 1-4 digit numbers
   a. Writing Numerals
   b. Reading Numerals
   c. 3 difficulty

10. Ordering tasks - 1 digit numerals
    1-digit 2-digit 3-digit 4-digit
    Interpreting 2-digit numbers

11. Bundling (circle strategy used)

12. 2-digit number line: Answer 54 (45-55)
    Explanation I just took ten.
Interpreting 3-digit numbers:
13a. 3-digit number line: Answer: 580 (380-170)
Explanation: Halfway is 10. Since it is closer to 100, the number is 10.

13b. Some more
10 more than 592
Answer: 602

13c. Some less
10 less than 488
Answer: 478

Interpreting 4-digit numbers:
14a. Ten more
10 more than 2791
Answer: 2801

15a. One hundred less
100 less than 3027
Answer: 2927

Extending and Applying Place Value Knowledge:
16. Capital cities
a. Reading Darwin’s population (86 700)

b. Reading Canberra’s population (308 086)

c. Reading Adelaide’s population (1 088 349)

d. Correct nomination of 3rd largest (Brisbane)

e. Explanation using place value

17. Number lines
a. Estimate on 0–100 line (55–75)

b. Estimate on 0–200 line (400–600)

17.1 Writing numerals
a. Millions 1,000,000,000

b. Fractions 3/4

c. Decimal fractions 0.34

17.2 Ordering decimal fractions
a. Answer 63

b. Answer 0.28 – 0.29, 0.29 – 0.29

17.3 Ordering and Interpreting fractions
a. Answer 4/3

b. Correct drawing

Section C – ADDITION & SUBTRACTION G.P.2
18. Counting on
a. Answer 13

b. Count on (other 9, 10, 11, 12, 13 or 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)

19. Count back/ modelling all (8 – 3)

a. Answer 8

b. Answer

20. Count down to/count up from (12 – 9)

Answer 4

21. Basic strategies (circle strategy used)

a. 14

b. 2 + 11

22. Derived strategies (circle strategy used)

a. 12 – 6

b. 7 + 8

23. Using doubles or known facts

a. Count back (12, 11, 10)

b. Other

24. Near doubles or known fact

a. Count on (15, 16, 17, 18, 19, 20)

b. Other

25. Common factors (circle strategy used)

a. 15

b. 21

26. Common multiples (circle strategy used)

a. 20

b. 20

27. Prime numbers (circle strategy used)

a. 3

b. 3

28. Even numbers (circle strategy used)

a. 2

b. 2

29. Odd numbers (circle strategy used)

a. 1

b. 1

30. Composite numbers (circle strategy used)

a. 4

b. 4

31. Plotting points on a grid (circle strategy used)

a. 5

b. 5

32. Coordinate pairs (circle strategy used)

a. 6

b. 6

33. Using coordinates (circle strategy used)

a. 7

b. 7

34. Coordinates on a grid (circle strategy used)

a. 8

b. 8

35. Using coordinates (circle strategy used)

a. 9

b. 9

36. Coordinates on a grid (circle strategy used)

a. 10

b. 10

37. Using coordinates (circle strategy used)

a. 11

b. 11

38. Coordinates on a grid (circle strategy used)

a. 12

b. 12

39. Using coordinates (circle strategy used)

a. 13

b. 13

40. Coordinates on a grid (circle strategy used)

a. 14

b. 14

41. Using coordinates (circle strategy used)

a. 15

b. 15

42. Coordinates on a grid (circle strategy used)

a. 16

b. 16

43. Using coordinates (circle strategy used)

a. 17

b. 17

44. Coordinates on a grid (circle strategy used)

a. 18

b. 18

45. Using coordinates (circle strategy used)

a. 19

b. 19

46. Coordinates on a grid (circle strategy used)

a. 20

b. 20

47. Using coordinates (circle strategy used)

a. 21

b. 21

48. Coordinates on a grid (circle strategy used)

a. 22

b. 22

49. Using coordinates (circle strategy used)

a. 23

b. 23

50. Coordinates on a grid (circle strategy used)

a. 24

b. 24

51. Using coordinates (circle strategy used)

a. 25

b. 25

52. Coordinates on a grid (circle strategy used)

a. 26

b. 26

53. Using coordinates (circle strategy used)

a. 27

b. 27

54. Coordinates on a grid (circle strategy used)

a. 28

b. 28

55. Using coordinates (circle strategy used)

a. 29

b. 29

56. Coordinates on a grid (circle strategy used)

a. 30

b. 30
Section D: MULTIPLICATION & DIVISION

Growth Point 1

Modelling Multiplication & Division:
27. Teddy bears (circle strategy used)
   a. Answer 12
   b. Answer 16
   c. Answer 20

28. Sharing teddies (circle strategy used)
   a. 3
   b. 4

Uses groups • Trial & error (using groups)
Share by 1s • Other

Partial Modelling Multiplication & Division:
29. Unifix train (circle strategy used)
   a. b. Answer 15
   c. Answer 18
   d. Answer 21

2. Skip count
   Known fact
   Count all by 1s
   Count all by 1s
   Other
   Other

30. Tennis balls (circle strategy used)
   a. b. Answer 12
   c. Answer 18

31. Dots array (circle strategy used)
   a. b. Answer 12
   c. Answer 18
   d. Answer 24

32. At the movies (circle strategy used)
   a. Answer 15
   b. Answer 20

Uses groups • Known fact • Share by 1s
Other

Multiplication Strategies:
33a. Interpreting multiplication
Read
5 \times 3
(e.g., 5 times 3)

Correct drawing
Array • Number line
Groups • Other
Explanation
3 groups of 3

33b. Multiplication Problems
   a. 3 \times 10 = 30
   b. 2 \times 7
   e. 4 \times 30 = 120
   f. 5 \times 7

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SECTION E - TIME MEASUREMENT GP

38. My clock
Awareness: (at least) 1 feature (at least) 1 purpose:

39. Telling the time
a. 2:00 b. 9:30 c. 2:20

40. The days and the months (circle those known)
a. All days b. Known days: S M T W T F S
b. All months c. Known months: J F M A M J J A S O N D

d. Day before Friday e. Month before April

e. First day of the year f. Last day of June
f. Month after June g. Day of July

42. Duration tasks
a. 13 minutes after 12:51 b. 1:30

43. TV guide
Movie length

44. Linking digital and analogue
a. 8 to 8: Analogue Digital

SECTION F - LENGTH MEASUREMENT

45. String and stick comparison
a. Prediction b. Accurate comparison c. Answer

46. The straw and the paper clips
a. Correct use of non-standard units b. Answer (including units)

47. Using the ruler
a. Correct use of ruler b. Correct answer including units

48. Tearing the streamer
a. Student's torn piece (range 75 cm to 125 cm) b. Student's reassembled piece

SECTION G - MASS MEASUREMENT

Questions 49 to 53 - See separate sheet

SECTION H - PROPERTIES OF SPACE

Questions 54 and 55 - See separate sheet

SECTION I - VISUALISATION

Questions 56 to 61 - See separate sheet

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