Yearly assessment

Name: _____

Whole Numbers

Understanding: **Limited** **Basic** **Sound**

1. Write a 5-digit number with a 5 in the:

    a) tens place _____*10352*_____

    b) ones place _____*87945*_____

    c) thousands place _____*35268*_____

    d) tens of thousands place _____*50999*_____

2. Write each number in expanded notation.

    a) 34 761 _____*Thirty four thousand, seven hundred and sixty one*_____

    b) 10 954 _____*Ten thousand, nine hundred and fifty four*_____

3. Write the expanded notation as a 5-digit number.

    a) 40 000 + 2000 + 500 + 10 + 2 _____*42512*_____

    b) 70 000 + 4000 + 40 + 5 _____*74045*_____

4. Use the numerals **0, 2, 7, 8 and 9** to write three even 5-digit numbers.

    _____*90728, 72890, 79208*_____

5. Round 4367 to the nearest:

    a) ten _____*4370*_____

    b) hundred _____*4400*_____

    c) thousand _____*4000*_____

Addition and Subtraction

Understanding: **Limited** **Basic** **Sound**

6. Add 547 and 299. _____*846*_____

    Explain how you worked it out.

    Students' answers will vary.

    _____

7. _____

a) 676	b) 750	c) 435	d) 496
− 193	− 372	+ 283	+ 308
483	*378*	*718*	*804*

8. Look at the table below and answer the questions.

Who paid for a TV?	Pat	Rick	Kate	Meg
Price paid in dollars	2137	2468	1642	1863

    a) What was the total cost paid by Pat and Kate? _____*3779*_____

    b) How much more than Meg did Rick pay? _____*605*_____

    c) Which two people paid a combined total of $4000? _____*Pat and Meg*_____

Multiplication and Division

9. Write and solve a word problem to suit each number sentence.

     a) 4×56

     Students' answers will vary.   *224*

     b) $72 \div 9$

     Students' answers will vary.   *8*

10. Write down all the factors of:

     a)   15   *1, 3, 5, 15*

     b)   32   *1, 2, 4, 8, 16, 32*

11. Write as many multiplication sentences as you can using the factors of 32.

            1×32, 32×1, 2×16, 16×2, 4×8, 8×4

12. Complete these factor tables.

a)

Factor	8	7	9
Factor	3	5	9
Product	*24*	*35*	*81*

b)

Factor	*6*	*6*	*8*
Factor	4	7	8
Product	24	42	64

Fractions and Decimals

13. Complete the table.
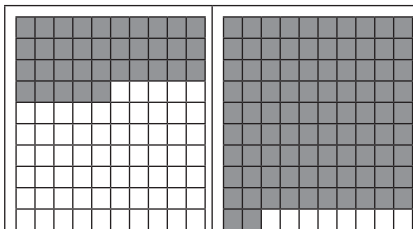
Percentage shaded	*35%*	*92%*
Percentage not shaded	*65%*	*8%*

14. Complete the table.

Hundredths	Decimal	Percentage
$\frac{18}{100}$	0.18	18%
$\frac{30}{100}$	0.3	30%
$\frac{7}{100}$	0.07	7%

15. Insert >, < or = for each pair.

   a) 0.25 = 25%

   b) 0.5 > 10%

   c) 0.1 < $\frac{1}{4}$

   d) $\frac{1}{2}$ = 50%

Financial Maths

16. Adam bought a watch for $15.95. How much change would he get from

   a) $20? _____ $ 4.05 _____   b) $50? _____ $ 34.05 _____

Chance

   Understanding: **Limited**   **Basic**   **Sound**

17. Match the event to the chance if one card is chosen at random.
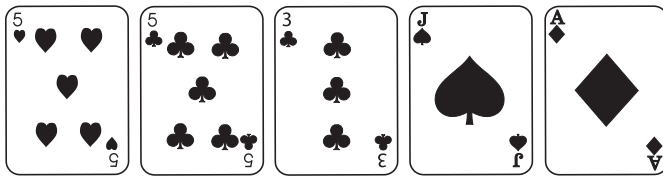
a 5 is drawn	1 chance in 5
a king is drawn	no chance
a diamond is drawn	2 chances in 5

Data

   Understanding: **Limited**   **Basic**   **Sound**

18. Look at the two-way table and answer the questions.

Sport	Girls	Boys
cricket	6	6
golf	7	1
netball	5	4
soccer	1	9
tennis	4	3

a) How many boys play netball? _____4_____

b) How many boys and girls play cricket? _____12_____

c) What sport do most girls play? _____golf_____

d) Do more boys or girls play tennis? _____girls_____

e) How many more boys than girls play soccer? _____8_____

f) What is the most popular sport played? _____cricket_____

g) How many children were surveyed altogether? _____46_____

Patterns and Algebra

Understanding: **Limited**   **Basic**   **Sound**

19. Continue these counting patterns.

a) 28, 37, 46, 55, ___64___ , ___73___

b) $9\frac{1}{2}, 8\frac{1}{2}, 7\frac{1}{2}$, ___$6\frac{1}{2}$___ , ___$5\frac{1}{2}$___ , ___$4\frac{1}{2}$___

20. Write a counting pattern that decreases using decimals.

2.5	2.25	2.0	1.75	1.50	1.25

What is the rule? _____ minus 0.25 from the previous number _____

21. What is the associative property?

_____ $x - 0.25 =$ _____

_____ $= - (0.25 - x)$ _____

_____

22. Fill in the missing number.

a) $4 \times \boxed{8} = 32$ b) $\boxed{45} \div 5 = 9$
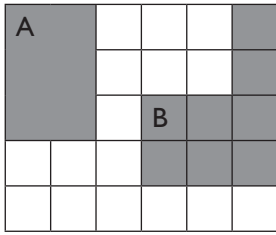
c) $\boxed{31} + 11 = 42$ d) $38 - \boxed{21} = 17$

Length

Understanding: **Limited**   **Basic**   **Sound**

23. Explain how you can measure the perimeter of a shape.

_____ add the total of the sides _____

_____

_____

_____

24. What is the perimeter of each shape?

Shape A _____10_____   Shape B _____14_____

Area

Understanding: **Limited**   **Basic**   **Sound**

25. What is the area of each shape in Question 24?

Area A = _____6 unit²_____   Area B = _____8 unit²_____

26. What is the area of a rug that is 5 metres long and 3 metres wide? _____15 m²_____

Explain how you worked it out. _____ A = 5×3 = 15 _____

_____

_____

_____

27. A playroom is 48 m². What might the length and width of the room be? _____ L = 6m W = 4m _____

Mass

Understanding: **Limited**   **Basic**   **Sound**

28. How many grams in:

a) 4 kg? _____4000_____   b) 1 kg 800 g? _____1800_____

c) $2\frac{1}{2}$ kg? _____2500_____   d) $\frac{3}{4}$ kg? _____750_____

29. Which is heavier: $1\frac{1}{4}$ kg or 1400 g? _____1400_____

Explain why. _____ $1 \frac{1}{4}$ kg = 1250g _____

_____

Time

Understanding: **Limited**   **Basic**   **Sound**

30. Look at the table and answer the questions.

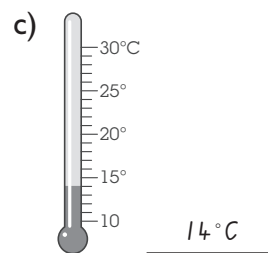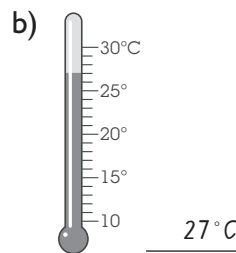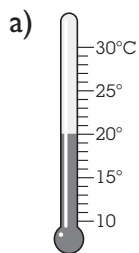| Activity	Time	Duration
Craft	9:15	1 hour
Cooking	10:00	30 minutes
Art	11:20	2 hours
Sport	12:45	45 minutes

a) What time does sport begin? _____12 : 45_____

b) What time does sport finish? _____1 : 30_____

c) Which activity goes for the longest amount of time? _____Art_____

d) If you went to craft, would you be finished in time for cooking? Explain your answer.

_____No, craft finishes at 10 : 15_____

Temperature

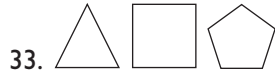**Understanding:**   **Limited**   **Basic**   **Sound**

31. Write down the temperature on each thermometer.

a)
- 30°C
- 25°
- 20°
- 15°
- 10

_____20°C_____

b)
- 30°C
- 25°
- 20°
- 15°
- 10

_____27°C_____

c)
- 30°C
- 25°
- 20°
- 15°
- 10

_____14°C_____

2D Space

Understanding: **Limited**   **Basic**   **Sound**

32. Name two angles in your classroom that form a right angle.

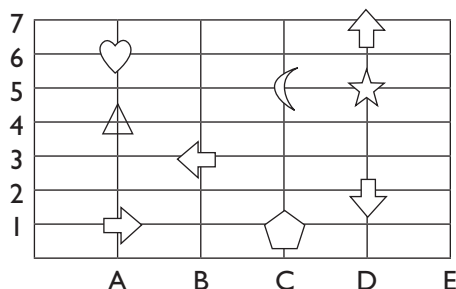_____corner of blackboard/whiteboard, corner of this page._____

33.

What shape has angles that are:

a) less than a right angle? _____triangle_____

b) greater than a right angle? _____pentagon_____

Location

Understanding: **Limited**   **Basic**   **Sound**

34.

a) What are the coordinates of ⬅? _____B3_____

b) What are the coordinates of ⬆? _____D7_____

c) What shape is at D5? _____Star_____

d) What shape is at C1? _____Pentagon_____

e) Draw a triangle at A4.

f) Name the compass point between north and east. _____North – east_____

g) What compass point is opposite south-east? _____North – west_____