Half-yearly assessment

Name: _____

Number and Place Value

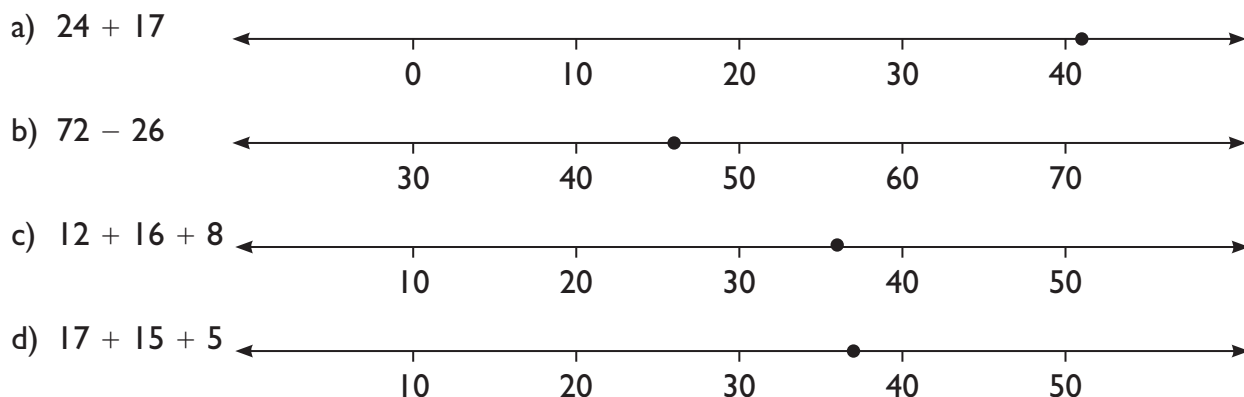**Understanding:**   **Limited**   **Basic**   **Sound**

1. Think of a four-digit number greater than 5000. Write:
   a) your number in numerals. _____*6215*_____

   b) your number in words. _____*Six thousand two hundred and fifteen*_____

   _____

   c) the number before your number. _____*6214*_____

   d) the number after your number. _____*6216*_____

2. Compare these numbers by using < or >.
   a) 6734 ___*<*___ 7361   b) 5055 ___*<*___ 5500

3. Order from smallest to largest: 2127, 3576, 1721, 4107, 956.
   _____*956, 1721, 2127, 3576, 4107*_____

4. Is 443 an odd or even number? ___*odd*___

   Explain how you know this. _____*Three is an odd number*_____

   _____

Addition and Subtraction

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

5. a) $19 + 10 =$ ___*29*___   c) $54 - 10 =$ ___*44*___

   b) $25 + 9 =$ ___*34*___   d) $87 - 11 =$ ___*76*___

6. Record each answer on the open number line.

   a) $24 + 17$

   b) $72 - 26$

   c) $12 + 16 + 8$

   d) $17 + 15 + 5$

7. The answer is **46**. What might the question be? Write down four possible questions using addition and subtraction.

| $23 + 23 = 46$ | $18 + 10 + 18 = 46$ |
| $86 - 40 = 46$ | $100 - 23 - 31 = 46$ |

8. Colour two numbers that add to 50.

(43) (25) (29) (35) (17) (21)

Multiplication and Division

Understanding: Limited   Basic   Sound

9. a) Write two multiplication and two division number sentences for this array.

☆ ☆ ☆ ☆
☆ ☆ ☆ ☆

| $2 \times 4 = 8$ | $8 \div 2 = 4$ |
| $4 \times 2 = 8$ | $8 \div 4 = 2$ |
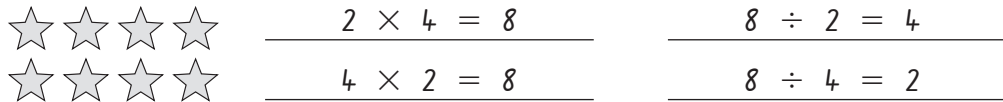
b) $4 \times 5 =$ __20__ $7 \times 2 =$ __14__ $24 \div 8 =$ __3__ $36 \div 4 =$ __9__
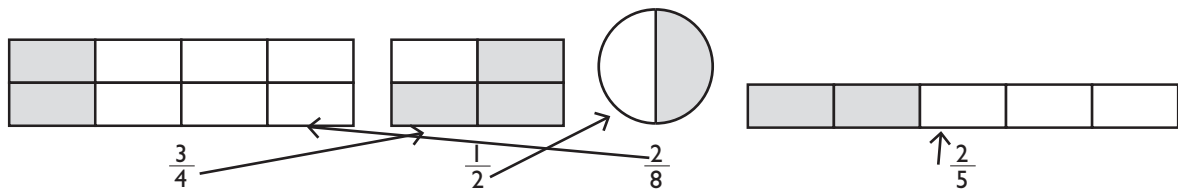
c) Show two different ways to put 12 counters into an array.

$$6 \times 2, \ 4 \times 3$$

Fractions and Decimals

Understanding: Limited   Basic   Sound

10. a) Draw a line to match the fraction to its picture.

$\frac{3}{4}$ $\frac{1}{2}$ $\frac{2}{8}$ $\frac{2}{5}$

b) half of 12 = __6__ $\frac{1}{4}$ of 20 = __5__

Financial Maths

Understanding: Limited   Basic   Sound

11. How much change would you get from $5 if you bought:

a) a pencil for $1.50? *$3.50*

b) a pen for $3.95? *$1.05*

c) an eraser for $2.15? *$2.85*

Patterns and Algebra

Understanding: Limited   Basic   Sound

12. a) Continue these counting patterns.

3	6	9	12	15	18	21
8	16	24	32	40	48	56

b) Fill in the missing numbers.

3	6	9	12	15	18	21

What would the tenth number be? *30*

13. a) $12 + 7 = \underline{\quad 4 \quad} + 15$ b) $24 + 1 = 32 - \underline{\quad 7 \quad}$

Length

Understanding: Limited   Basic   Sound

14. a) Measure the length of each item.

b) *5.1 cm*   *3.2 cm*

15. Complete the table of tree heights.

	cm	m and cm
Tree 1	131 cm	*1 m 31 cm*
Tree 2	*215 cm*	2 m 15 cm
Tree 3	405 cm	*4 m 5 cm*

16. What could you measure with a trundle wheel? *the width of a footpath*

17. What could you measure with a 30 cm long ruler? *the length of a pen*

Volume and Capacity

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

18. a) Colour the correct box.

Volume	Capacity

means how much something holds.

19. Would each container hold more than, less than or about 1 litre (1 L)?

a) mug _____*less*_____   b) bath _____*more*_____   c) milk carton _____*about*_____

Time

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

20.
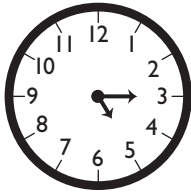
What time is on the clock? Can you write it in three different ways?

a) _____*5:15*_____   b) _____*15 past 5*_____   c) _____*45 to 6*_____

21. How many minutes does it take the minute hand to move from:

a) 12 to 2? _*10*_   b) 4 to 9? _*25*_

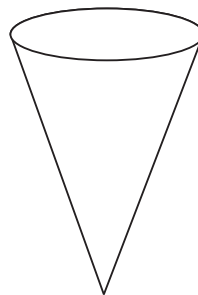22. How many minutes does it take the hour hand to move from 3 to 4? _*60*_

3D Space

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

23. a) Name both 3D objects.
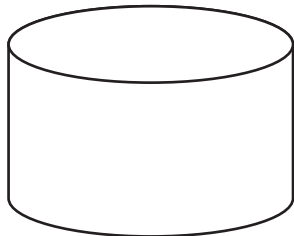
_____*cylinder*_____   _____*cone*_____

b) Write two sentences to describe one similarity and one difference between the objects.

similarity: circle as its face

difference: cylinder has 3 faces and cone has 2 faces

24. Name a 3D object with:

a) 8 corners. _octagon_ b) 1 face. _sphere_ c) 2 edges. _cylinder_

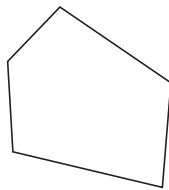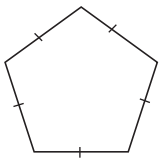## 2D Shape

Understanding: **Limited** **Basic** **Sound**
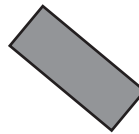
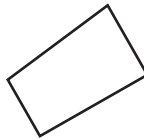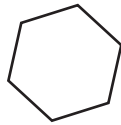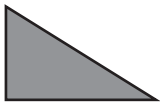25. Write the names of three quadrilaterals.

square _rectangle_ _rhombus_

26. Draw a regular and an irregular pentagon.

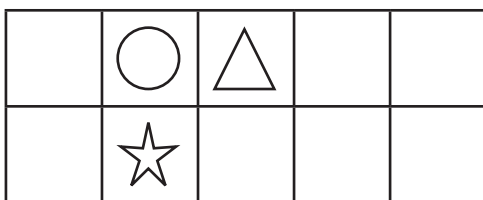27. Colour the shapes that have at least one right angle.

Location and Transformation

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

28.

Draw:
a) a triangle in the top row in the middle.
b) a star in the bottom row second from the left.
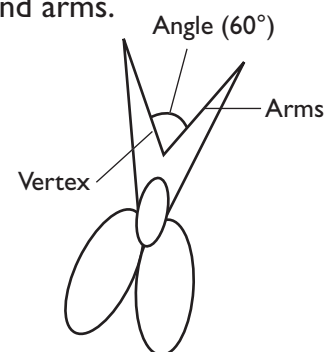c) a circle in the top row fourth from the right.

Geometric Reasoning

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

29. Draw a pair of scissors. On your drawing, label the angle, vertex and arms.

Angle (60°)

Arms

Vertex

Chance

Understanding: Limited   Basic   Sound

30. a) List all possible outcomes of:
    i)   rolling a die. _1,2,3,4,5,6_   ii)   tossing two coins. _HT, HH, TT, TH_

    b) The possible outcomes are red, orange and green. What might the event be?

    _____ traffic lights _____

    _____

Data

Understanding: Limited   Basic   Sound

31. a) Fill in the missing information about the lunches eaten in 3G today.

Lunch	Tally	Total
Salad	𝍱𝍱 𝍱𝍱 II	12
Rice	𝍱𝍱 III	8
Noodles	𝍱𝍱 IIII	9

    b) How many more students ate salad than rice? ___4___
    c) How many students are in 3G? ___29___

32. Students in 3M were asked to name their favourite sport.

Sport	Tally	Total
Tennis	𝍱𝍱 III	8
Cricket	𝍱𝍱 IIII	9
Netball	𝍱𝍱 𝍱𝍱 III	13

    Write three sentences about this data.

    _____ Most popular sport is netball. _____

    _____ 4 more students named netball as their favourite sport over cricket. _____

    _____ Tennis was the least popular sport. _____