1. Fill in the blanks.   **(5)**

1. $\frac{1}{2}$ of a number is 3. What is the whole of that number? _____

2. 1 kilogram is equal to _____ [1000 grams / 1000 milligrams]

3. Capacity is calculated in _____ [kilograms / litres]

4. A quarter of a number is 4. What is the number? ☐

5. Twenty-four add thirty equals to _____

2. Match the following.   **(5)**

A	B
4 × 2	5
20 ÷ 4	8
6 + 6	10
2 × 3	12
5 × 2	6

3. Look at each shape.   **(2)**

Tick what it will look like when it has turned clockwise half turn.

Tick what it will look like when it has turned anticlockwise   one quarter turn.

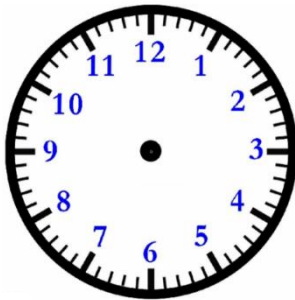**4. Find an inverse calculation to check each calculation.** **(4)**

a.   2 8   ⟹   ☐

    +   3 6   ⟸   – ☐

    _____   inverse   _____

      6 4   ☐

b.   6 3   ⟸   ☐

    -   2 3   ⟹   + ☐

    _____   inverse_____

      4 0   ☐

5. The minute hand makes these turns. It starts at 6. What number does it stop on?

(2)

    A quarter turn anticlockwise   **Half turn clockwise**
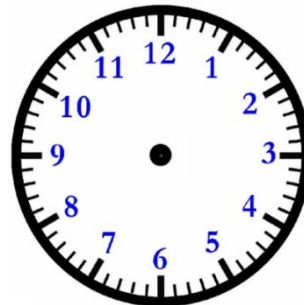
6. Make a regular pattern using 2 different colours. **(1)**

7. Make a random pattern of your own. **(1)**
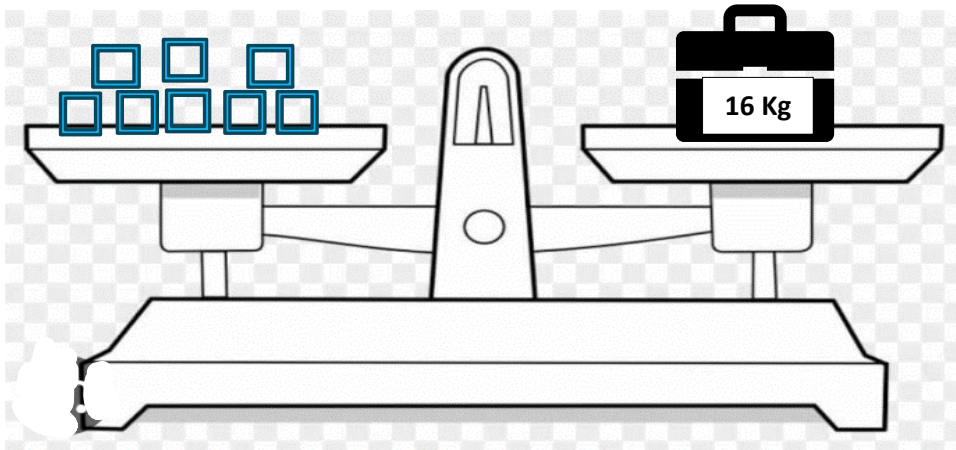
8. Put these masses in order starting with lightest. **(1)**

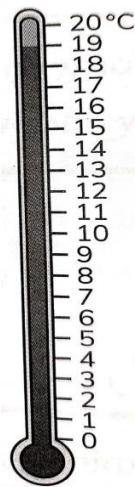   3 grams, 42 grams, 23 grams, 23 kilograms, 18 grams, 27 grams

_____

9. What is the mass of each box? Write your answer using kilograms. **(2)**

16 Kg

10. Write the temperature shown on each thermometer. **(2)**

20°C
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

20°C
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
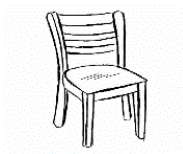1
0

11. How many **bottle will fill 4-litre bottles?** **(2)**

$\frac{1}{2}$litre

_____

12. Estimate and draw a ring around the best estimate. **(2)**

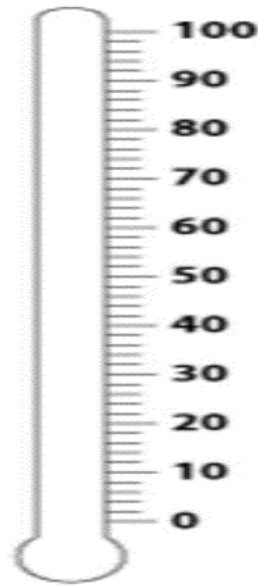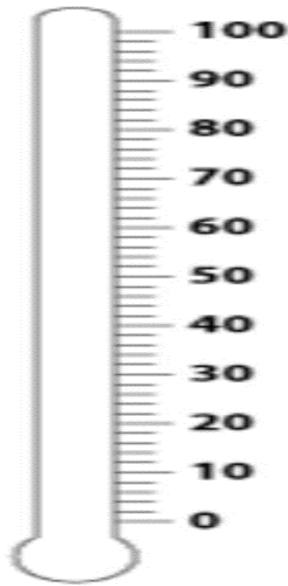15 grams / 15 kilograms   15 kilogram / 50 kilogram

13. Show the temperature on each thermometer. **(2)**

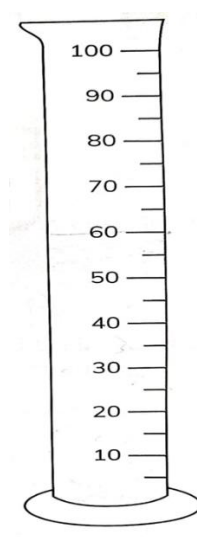**55 degrees Celsius**   **35 degrees Celsius**

100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

14. Show these amounts on the measuring cylinders. **(2)**

50 millilitres   **80 millilitres**

100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
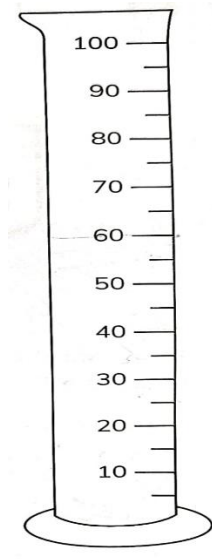
15. Write a multiplication fact and the inverse division fact for each picture. **(2)**

| | × | | = | |

| | ÷ | | = | |
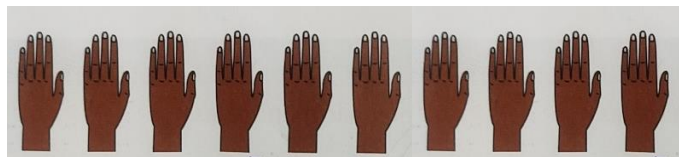
16. Draw where the spot will [●] **after** **(2)**

A quarter turn clockwise [ ]

A half turn clockwise [ ]

17. Sofia regrouped 82 in different ways. Continue her pattern of regrouping. **(1)**

80 + 2 = 82, 70 + 12 = 82,

_____

_____

18. Shapes are sorted into sets. **(2)**

How many shapes are green? [ ]

How many shapes have 4 or more sides? [ ]

Green   More than
             4 sides

16   34   23

****