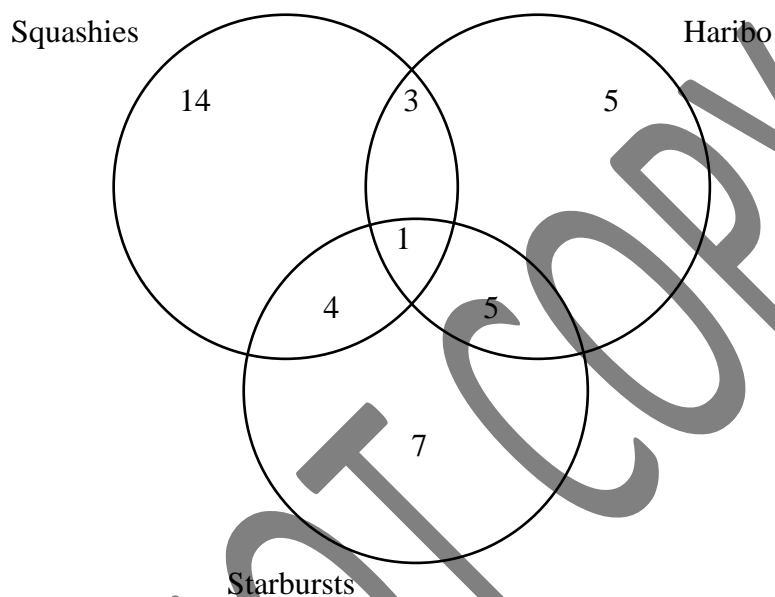## Venn Diagram – Sorting Object Questions

1. Children attending a youth club are asked about **sweets** they like. Their answers are shown in the Venn Diagram below.

Squashies   Haribo

14   3   5

1

4   5

7

Starbursts

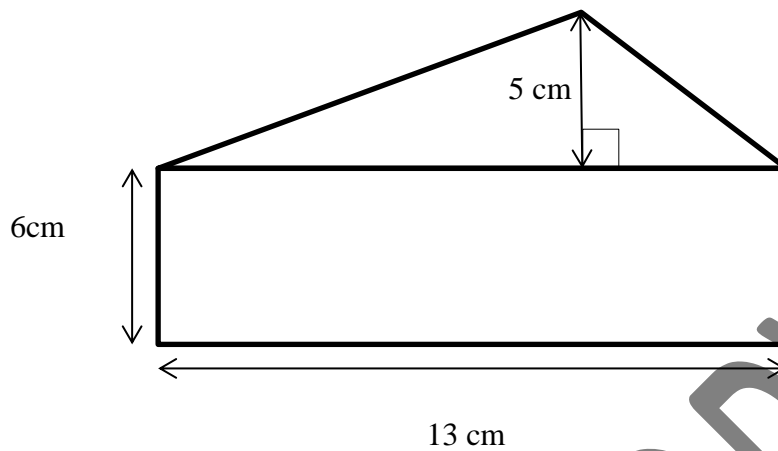(a) How many children **do not like Starbursts**? Write your answer in the space below.

_____

(b) How many children **like only Squashies and Starbursts**? Write your answer in the space below.

_____

_____

Area of More Complex Shapes Revision

1. The **shape** below is made up of a **rectangle** and a **triangle.**
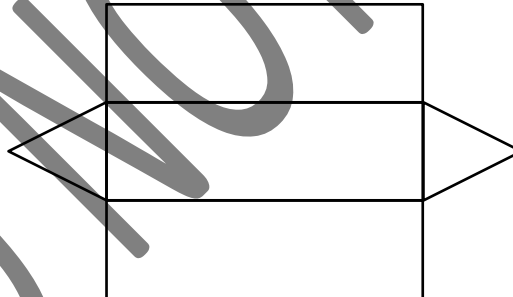

5 cm

6cm

13 cm

Calculate the **area** of this **shape**. Write your answer in the space below.

_____ cm **²**

_____

2. Look at the **net** of the triangular prism below.   It is made up of **3 rectangles** and **2 equilateral** triangles. The **length** of the side of each **rectangle** is **12.5 cm** long and the **width** of each **rectangle** is **4 cm**. The **side** of each equilateral **triangle** is **4 cm** long.

What is the **perimeter** of the net? Write your answer in the space below.

_____ cm

What is the **total area** of **all the rectangular faces** of the triangular prism?

_____ cm**²**

_____

Equivalent Fraction Revision

1. The fraction below is **equivalent to** $\frac{1}{4}$. Write the **missing number** in the box below.

$$\frac{\boxed{}}{48}$$

_____

2. The pairs of fractions in (a) and (b) are **equivalent fractions**. Write the **missing numbers** in the boxes below.

a) $\dfrac{3}{\boxed{}} = \dfrac{24}{32}$

b) $\dfrac{40}{55} = \dfrac{\boxed{}}{11}$

_____

3. Look at the four fractions below. Two of these fractions are equal to $\frac{4}{9}$. Circle these two fractions.

$\frac{15}{18}$ $\qquad$ $\frac{8}{18}$ $\qquad$ $\frac{18}{54}$ $\qquad$ $\frac{20}{45}$

_____