Kulleġġ Santa Tere

PARVA PARVORUM PULCH

YEAR 5   **MATHEMATICS**
                    WRITTEN PAPER

Name: _____   **Class:** _____

TOTAL MARKS ☐

READ CAREFULLY:

- **WORK OUT ALL THE QUESTIONS.**

- **SHOW ALL YOUR WORKING.**

- **WRITE YOUR ANSWER CLEARLY.**

Marks' Scheme		
Nos. 1a – j	10 X 2 =	20
2 - 7	6 X 4 =	24
8 – 13	6 X 6 =	36
	TOTAL	80

1. Fill in:

a)	45 + [ ] = 100
b)	800 - 422 = [ ]
c)	64 ÷ 4 = [ ]
d)	9 X [ ] = 27
e)	2.5 km = [ ] m
f)	**Round** 678 to **the nearest 10** = [ ]
g)	What is the **value** of 4 in 6**4**73 = [ ]
h)	Write an equivalent fraction $\dfrac{2}{3}$ = $\dfrac{[\quad]}{[\quad]}$
i)	½ ℓ + ¼ ℓ + ¾ ℓ = [ ] mℓ
j)	Double [ ] = Half 32

2.   Tom walks on all the numbers from the smallest to the largest.
     Draw arrows (→) to show the path he takes.

1880   1008

1080

1808   1800

1088
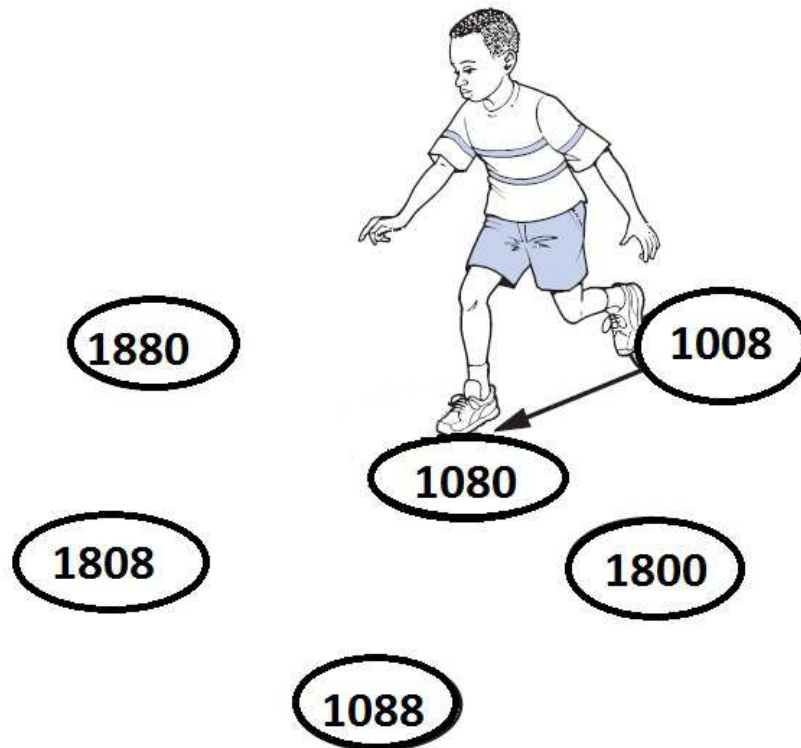
3(a)   These shapes have been sorted. One shape is in the wrong place. Draw a
       cross (X) on it.

Octagons	Not Octagons

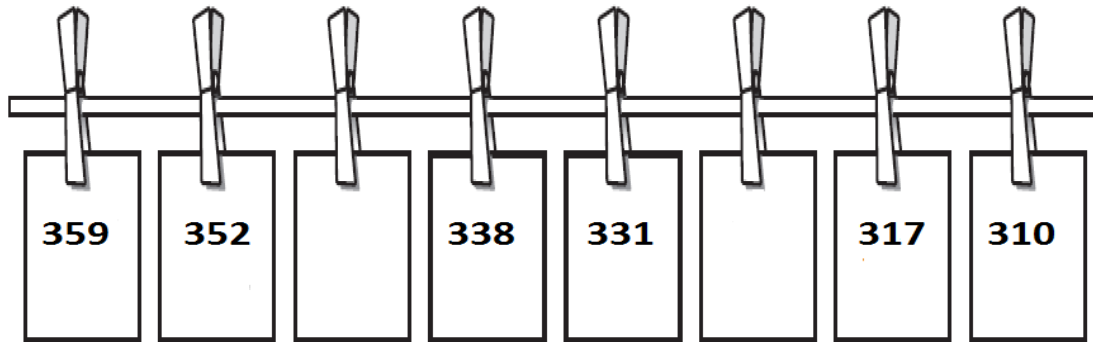3(b) Here are some shaded shapes on a grid. Which three shapes are symmetrical?
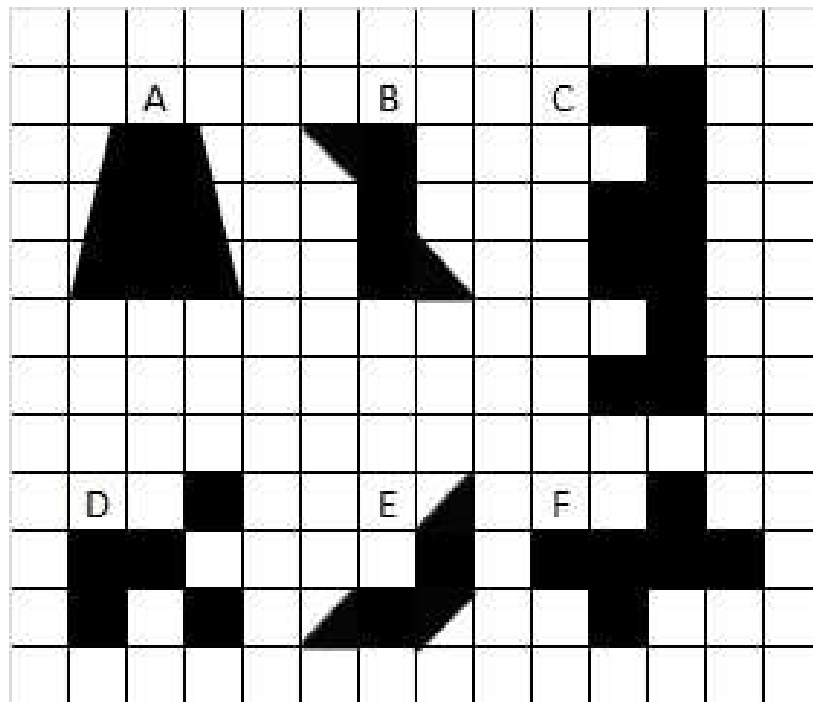
Shapes _____ , _____ and _____ are symmetrical.

_____

4.   Each card on the left matches one on the right. Draw lines to match the cards
       which are equal in value. One has been done for you.

3 x 6		9 x 6
12 x 3		9 x 2
27 x 2		14 x 3
6 x 7		50 x 2
5 x 20		6 x 6

5(a)   Write the missing numbers in this sequence:

| 359 | 352 | | 338 | 331 | | 317 | 310 |

5(b)   Choose 3 of these cards to make an even number that is greater than 400.

③ ⑧ ⑨ ①

☐ ☐ ☐

6.   Jason bought 3 books during the sale for €14.50.

Book Sale

Any 3 books for €14.50

€3.52   €5.68   €6.47

How much money did he **save altogether**?

He saved € ____ . _____

7.   Here are a pencil sharpener, a key and a rubber.

Actual size


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0   1   2   3   4   5   6   7   8   9  cm
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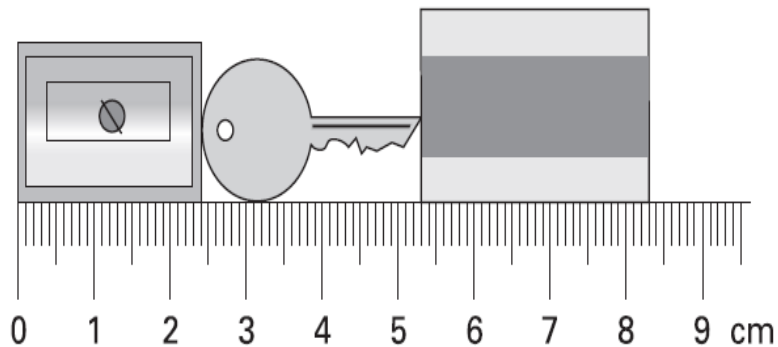
(a)   What is the length of **all the three things together**. Give answer in
        millimetres.

_____ mm

(b)   What is the length of the key. Give answer in centimetres.

_____ cm

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8.   There are 60 sweets in a packet. $\dfrac{2}{3}$ of the sweets are red, $\dfrac{1}{5}$ of them are
        yellow and the rest are green.

Sweets

(a)   How many red sweets are there?

_____ red sweets

(b)   How many yellow sweets are there?

_____ yellow sweets

(c)   How many green sweets are there?

_____ green sweets

9.   Kim needs 37 balloons. The shop sells balloons in packs of 5.

(a)   How many packs does she need to buy?
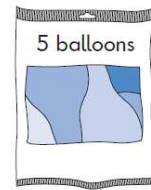
5 balloons

_____ packs.

(b)   How many balloons will she have left?

_____ balloons.

(c)   Each pack of balloons costs €0.85. How much will she pay for all the packs?

€ ___ . ____

10.   Jake has some rectangular tiles. Each one is 4 centimetres by 9 centimetres.

4cm

9cm
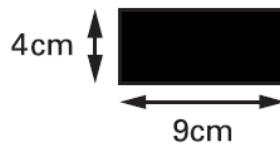
He makes the design below with them.
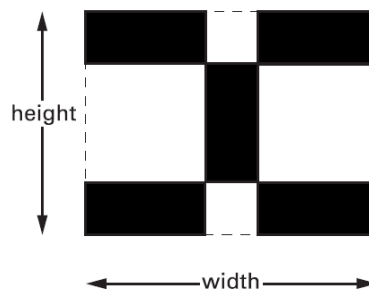
height

width

(a)   The width of the design is _____ cm long.

(b)   The height of the design is _____ cm long.

(c)   The perimeter of the design is _____ cm.

(d)   The area of the design is _____ cm^2.

11(a)   The table shows the weight of some fruit and vegetables. Complete the tab

	Grams	Kilograms
apples	1200	1.2
grapes	250	
ginger		0.03
potatoes	3500	
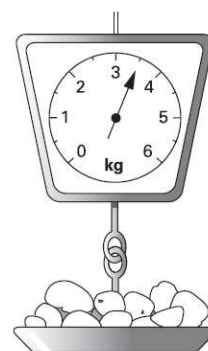
11.   Mrs. Black makes a blackcurrant drink for a party.   She pours blackcurrant squash into a jug.
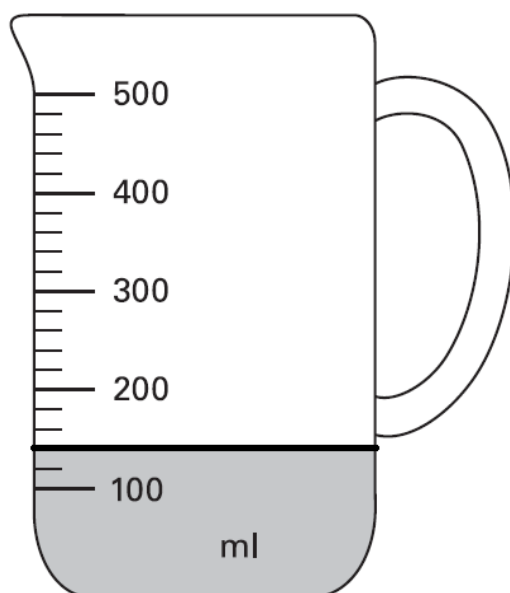
(b)   How much water must she add to make ½ ℓ of drink?

_____ ml of water.

(c)   Mrs. Black pours the drink equally in **4 glasses**. How many ml does each glass contain?

_____ ml in each glass.

12. Some children in a school talk about the fruit they like best.

The fruit we like best

☺ stands for ——→ 8 children

🍎 apple	☺ ☺ ☺	
🍊 orange	☺ ☺ ☺ ☺	
🍌 banana	☺ ☺ ☺ ☺ ☺ ☺ ☺	
🍐 pear	☺ ☺ ☺ ☺ ☺ ☺	

a) The most popular fruit is _____.

b) The least popular fruit is _____.

c) How many students liked banana more than orange?

_____ students

d) How many students liked apple and pear?

_____ students

e) The number of students who liked pears and apples is equal to the number of students who liked bananas. Is this statement true or false?

_____

f) How many students in all took part in the study?

_____

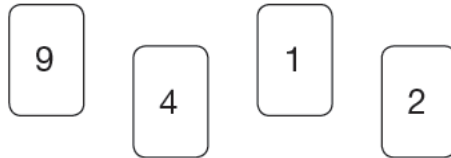13(a) Circle all the numbers that are greater than **0.6**

0.5   **0.8**   **0.23**   **0.09**   **0.67**

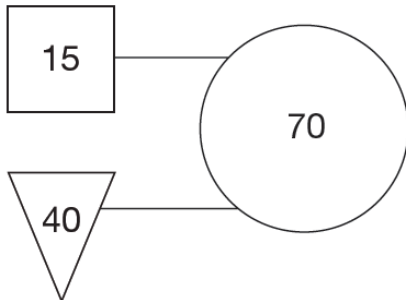13 (b) Here are four digit cards:

| 9 | 4 | 1 | 2 |

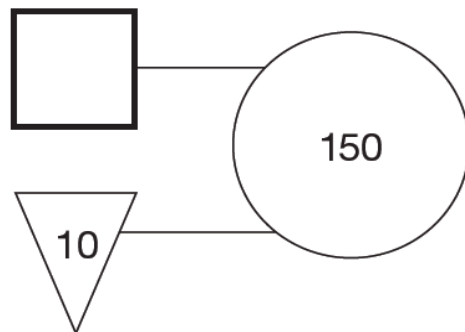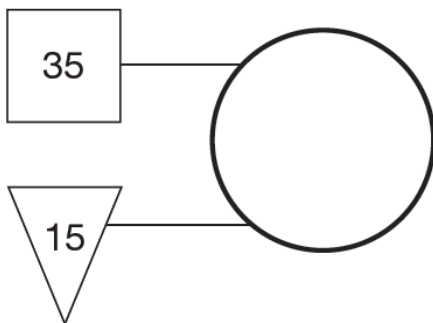Use each digit card **once** to make the decimal number **nearest to 20**.

☐☐·☐☐

13 (c)   In the diagram below the rule is:

Double the number in the **square** and **add** the number in the **triangle** to make the number in the **circle.**

15 (square) ─── 70 (circle)
40 (triangle)

Use the same rule to write in the missing numbers below.

☐ (square) ─── 150 (circle)
10 (triangle)

35 (square) ─── ◯ (circle)
15 (triangle)

END OF PAPER