

St. Thomas More College



Primary Schools

Half Yearly Examinations

MATHEMATICS WRITTEN PAPER

Year 5

February 2015

Time: 1 hr 15 minutes

Name: _____

Class: _____

Total Marks:

1. Fill in

(10x2=20 marks)

| | QUESTION | ANSWER |
|---|--|-----------|
| a | $65 + 35$ | |
| b | $592 - \underline{\quad} = 500$ | |
| c | 2 km 356m in metres | m |
| d | Double 91 | |
| e | Half of 64 | |
| f | 273 rounded to the nearest 100 | |
| g | Multiply 257 by 100 | |
| h | $\underline{\quad} \div 10 = 430$ | |
| i | One side of a square is 8cm. Its perimeter is | cm |
| j | $\frac{5}{8}$ of 56 = | |

2. Use the following symbols: $<$, $>$, $=$ (4 × 1 mark = 4 marks)

a) 45 _____ 4.5

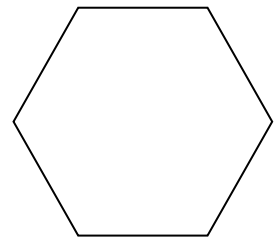
b) $\frac{1}{2}$ _____ $\frac{3}{4}$

c) 100mm _____ 10cm

d) $36 \div 2$ _____ 4×6

3. Look at this flat shape. (4 × 1 mark = 4 marks)

a) It is called a regular _____.



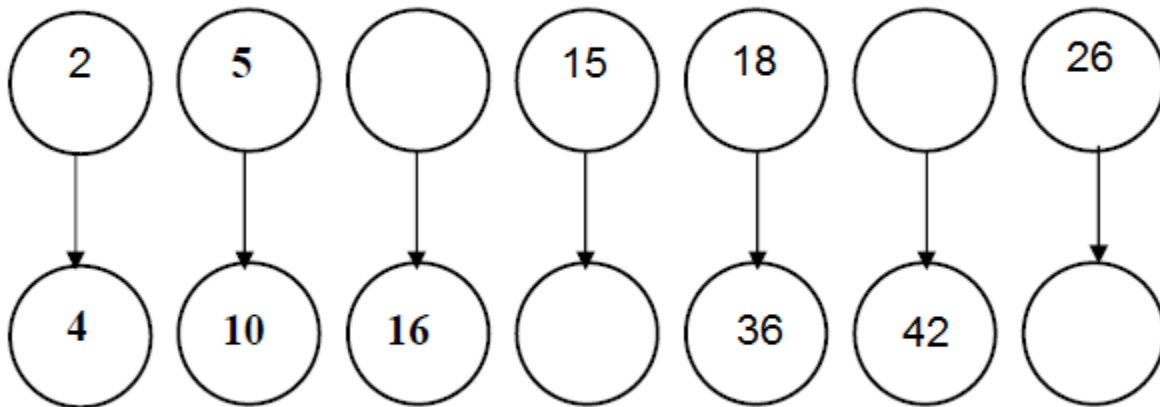
b) It has _____ vertices.

c) It has _____ lines of symmetry.

d) If each side is 5cm long, what is its perimeter? _____ cm

4. Complete

(4 × 1 mark = 4 marks)



5. Julia is playing a game on her tablet.
She wins 258 points.
But she hits an obstacle and loses 80 points.



- a) What is her score now?

_____ points

- b) Julia keeps on playing the game.
Soon she wins another 174 points.
What is her total score now?

_____ points

(2 × 2 marks = 4 marks)

6. Michael has €2.34 in his pocket.

a) His mother gives him another 36c. How much money does he have now?

€_____.

b) He spends $\frac{1}{3}$ of his money on a packet of juice. What is the price of the packet of juice?



€_____.

(2 x 2 marks = 4 marks)

7. Pens are packed in packets of **eights**.

a. How many packets are needed to have 75 pens?



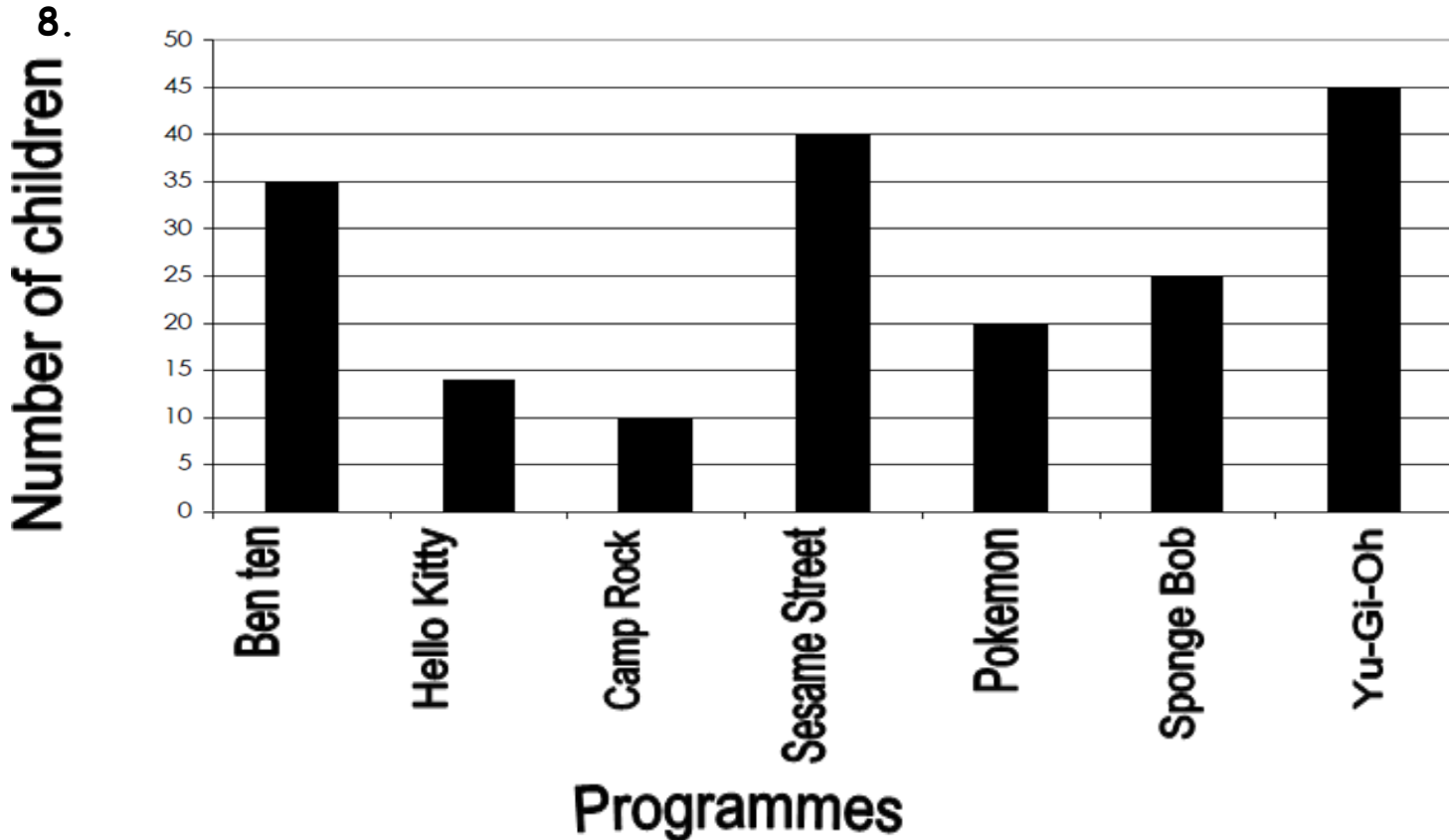
_____ packets

b. If each packet costs €3.20, how much is each pen?

€_____.

(2 x 2 marks = 4 marks)

Children's favourite T.V programmes



A survey was carried out amongst year 5 pupils in a school. They were asked about their favourite television programmes.

- a. Which programmes had these votes? (mark each)
 - i) 20 _____
 - ii) 40 _____
- b. How many children voted for
 - i) Ben ten? _____
 - ii) Sponge Bob? _____
- c. How many **more** children voted for
 - i) **Sesame Street** than **Pokemon**? _____
 - ii) **Yu-Gi-Oh** than **Camp Rock**? _____

(6 × 1 mark = 6 marks)

9.

Noel is packing to go on a holiday. His **empty suitcase** weighs **2500g**. He packs his clothes which weigh **5300g** and his computer which weighs **900g**.

- a) How much does the suitcase weigh when it is packed?
Give your answer in kg



_____ kg

- b) The baggage allowance is **10 kg**. How much **more** can Noel pack?

_____ kg

- c) Can he take his coat which weighs **700g**? Give a reason for your answer.

(3 × 2 marks = 6 marks)

10.

A rectangular lake has a **perimeter** of **8 km**. During a boat race, a boat goes round the lake for **36 laps**.

a) What is the **distance in km** travelled by the boat? _____ **km**

b) The racing boat **stops** for refuelling after $\frac{3}{4}$ of the **36 laps**.
Calculate the number of laps done until the stop.

_____ **laps**

_____ (2 x 3 marks = 6 marks)



11.

There are **30 pupils** that attend a 'Healthy- Eating Club' every day, after school. **Each** child drinks **100 ml** of orange juice every day.

a) How many **1 litre cartons** of orange juice are needed for the whole club every day?

_____ cartons

b) **Each** carton of juice costs **€0.67**.

The club has to pay **€_____** for a **whole week (Monday to Friday)** to buy juice for all the members of its club.



c) A **crate** holds **14 cartons** of juice.

Each carton of juice weighs **150g**.

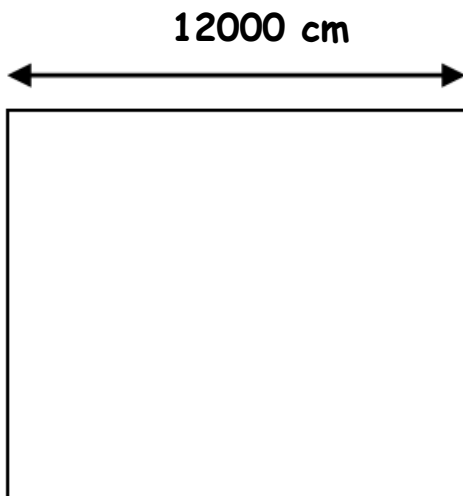
What is the **weight** of a **whole crate** of cartons if the **empty crate** weighs **500g**?

_____ kg

_____ (3 x 2 marks = 6 marks)

12. Paul has a ground in the shape of a **square**.
Each **side** measures **12000 cm**.
He wants to put a fence all around it.

a) How much fencing does he need? Give your answer in **metres**.



_____ m

b) Paul wants to cover **half the ground** with tiles. Find the **area** of the part he will be covering with tiles.

_____ m²

_____ (2 × 3 marks = 6 marks)

13. Follow the clues to find the mystery number from the list below.



| | |
|-----|----|
| 18 | 86 |
| 120 | 42 |
| 46 | 64 |
| 80 | 8 |
| 22 | 83 |
| 360 | 6 |
| 31 | 92 |
| 24 | 48 |

- The number has **two digits**.
- **Both** of the **digits** are **even**.
- The digit in the **tens** place is **greater than** the digit in the **unit** (or ones) place.
- The **units** (or ones digit) is **not** in the **three times table**.
- The **tens** digit is **not double** the **ones** digit.
- The **sum** of the **two digits** is a **multiple of five**.

The mystery number is: _____

(6 marks)

END OF PAPER