

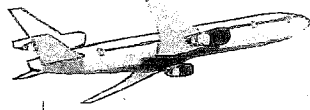
# 6<sup>th</sup> Class Worksheet / Test

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Problems

1.



A plane can carry 279 passengers when full.  
How many passengers could 35 such planes carry?

2. A can of cola costs 86c.

How many cans of cola can be bought with €48.16?



3. The perimeter of a rectangular garden is 72 metres. Its length is 24m.  
Find (a) the width of the garden and (b) the area of the garden in square metres.

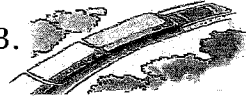
4. A shopkeeper bought a television set for €380 and sold it at a profit of 20%.  
What was the selling price?

5.

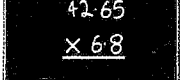



Aideen had 552 stamps. She gave  $\frac{3}{8}$  of them to Heather.  
How many stamps did she give to Heather?

6. A train left Waterford at 08:46. It arrived in Dublin at 12:13.  
How long did the train journey last?



7. Which is greater and by how much —  $33\frac{1}{3}\%$  of €732 or  $12\frac{1}{2}\%$  of €544?

8.  Beth wrote down the number 42.65 and multiplied it by 6.8. She should have multiplied it by 8.6. By how much was her answer too small?

9.  A car travelled at an average speed of 59.75km/h. If it travelled for 4.5 hours, how far did it travel altogether?

10. Becky bought a piano for €2400. She later sold it at a loss of 15%.  
What was the selling price?

11. Ciarán got 19 spellings correct out of 25.  
What percentage of his spellings did he get incorrect?

12. A plane left Knock Airport at 8.24 am. It landed in New York  
5 hours 48 minutes later. At what time (Irish time) did it land in New York?

13. A CD player worth €48 was bought in Australia. If one euro is worth 1.79 Australian  
dollars, what was the cost of the CD player in Australian dollars?

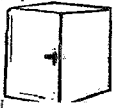
14. One barrel holds 67.75l of water. Another barrel holds 0.76 times that amount.  
How much do the two barrels hold between them?

15.



By selling a jacket for €207, a shopkeeper made a profit of  $12\frac{1}{2}\%$ .  
What did the shopkeeper pay for the jacket?

16.



By buying a fridge for €378, Barbara spent  $\frac{7}{8}$  of her money. How much money had she at first?

17. Ronan spent 0.17 of his money on food,  $\frac{1}{4}$  of it on a badminton racquet and 23% on clothes. If he saved the remaining €43.61, how much money did he have at first?



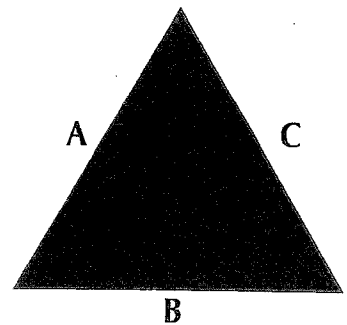
18. David invested €800 in the Credit Union for 2 years. The rate of interest was 5% per year. How much money did David have in the Credit Union at the end of the two years?

### Puzzle

A gardener wishes to put a fence around this triangular garden. Each side of the garden measures 20 metres. All posts for the fence are placed 2m apart.

- (a) How many posts are there on each side?  
(b) How many posts are there altogether?

Be careful!



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Crack the code

You may use your calculator when doing these sums.



### A REAL HERO

Below are some addition and subtraction sums with very big numbers. There is a letter in front of each question. When you have the answer to a question, put the correct letter above the answers at the bottom of the page.

C  $43\,765 + 28\,958 = \square$

W  $489\,356 + 253\,987 = \square$

O  $659\,875 + 28\,697 = \square$

Y  $743\,892 - 689\,986 = \square$

R  $5749 + 69\,876 = \square$

G  $46\,349 + 8968 = \square$

I  $763\,842 - 754\,689 = \square$

S  $602\,354 - 465\,768 = \square$

H  $406\,009 + 98\,372 = \square$

K  $(629\,687 + 98\,439) - (21\,439 + 387\,654) = \square$

A  $98\,324 - 64\,957 = \square$

D  $436\,548 + 197\,635 = \square$

E  $86\,908 - 82\,079 = \square$

T  $7008 - 6857 = \square$

M  $768 + 68 + 6798 = \square$

P  $943\,896 - 939\,865 = \square$

L  $85\,346 + 126\,598 = \square$

N  $7852 + 9 + 875 = \square$

U  $987\,632 - 975\,896 = \square$

634 183	688 572	72 723	151	688 572	75 625

7634	33 367	75 625	151	9153	8736

211 944	11 736	151	504 381	4829	75 625

319 033	9153	8736	55 317

743 343	688 572	75 625	319 033	4829	634 183

151	9153	75 625	4829	211 944	4829	136 586	136 586	211 944	53 906

151	688 572

136 586	151	688 572	4031

75 625	33 367	72 723	9153	136 586	7634

9153	8736

33 367	7634	4829	75 625	9153	72 723	33 367	

11 736	8736	151	9153	211 944

504 381	4829

743 343	33 367	136 586

7634	11 736	75 625	634 183	4829	75 625	4829	634 183

## My First Go-karting Championship

15 September

Dear Diary

I thought today was going to be the best day of my life so far – my first race in the Junior Go-karting Championship. I love racing, whizzing round the track with my wheels spinning and engine roaring. My teammates, Ella, Sean and Niamh, are really confident racers and I couldn't believe they wanted me on their team.

Early this morning, we arrived at the track and changed quickly into our racing gear. I was so nervous I could hardly fasten my helmet but I also couldn't wait to get started. Each of us would race against five drivers from other teams. The track was fairly straightforward with one ramp, some sweeping curves and a few tight corners.

Soon it was time for the first race. Ella was racing for our team and she waved to us as she lined up with the other drivers. Then the green light flashed and six go-karts zoomed onto the track. Ella took the lead right from the start. Feeling tense and excited, we cheered her on. The other drivers were close on her tail but Ella didn't give them a chance to overtake. She crossed the finish line in first position, looked at the screen to check her time and punched the air in triumph. Our team was in the lead!

Next it was my turn. Climbing into my Go-kart, I took a deep breath and focused on the challenge ahead. The green light flashed, I put my foot down on the accelerator and sped off. After the first lap, I was in second position. I was doing everything right – slowing carefully at corners and speeding up on the straight. Determined to get my best ever time, I accelerated fast as I approached the ramp. I was closing in on the leader! Hurting along the track, I imagined what my friends would say if I won the race.

For that split second, I lost concentration. I tried to take a corner too tightly and my kart clipped the barrier. Suddenly I was spinning out of control. I came to a halt safely but I was out of the race. Numb with disappointment, I sat hunched in my kart. How could I face my team? I'd let them down.

The rest of the competition passed in a blur. I was hardly aware that Sean won his race.

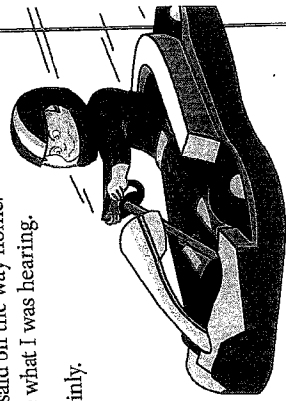
"Hey Jamie, that was an impressive race at the start!" Sean said on the way home.

"I can't wait to see how you do next time." I couldn't believe what I was hearing.

"You mean you still want me on the team?" I asked uncertainly.

"Of course!" Ella gave me a reassuring smile.

I still feel pretty miserable when I think about how I spun my kart but I've learned some important things today. My first race didn't go as planned but I've got another chance and I'm going to make the most of it. Who knows – we might win next time!



### A Answer the questions.

1. What was Jamie taking part in on this day?
2. What did the team do as soon as they arrived at the track?
3. What did Ella stop the other drivers from doing?
4. How did Jamie feel as he climbed into his kart?
5. Why did Jamie take a corner too tightly?
6. Why did Jamie find it hard to believe Sean's words, "I can't wait to see how you do next time."?
7. What important things do you think Jamie learned on this day?
8. What is your opinion of Jamie's teammates?



Do you think it is more important to win or to work well as part of a team? Why?

### B Complete the activities.

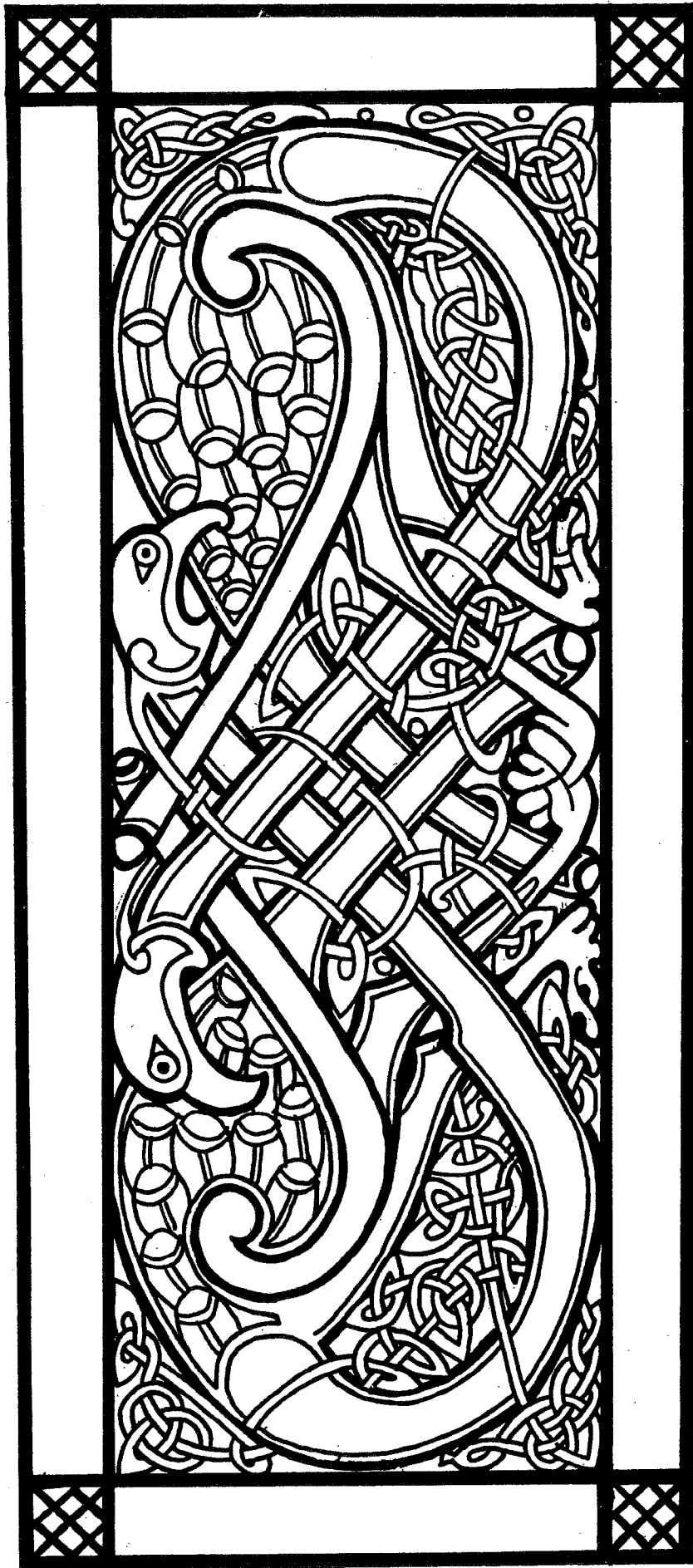
1. Imagine you are Ella. Write a diary entry describing how it felt to win your race.
2. Imagine you are a local newspaper reporter about to interview one of the team. Write some questions to ask them.
3. Write a paragraph about what you think might happen in Jamie's next race.

Circle the word closest in meaning to the underlined word.

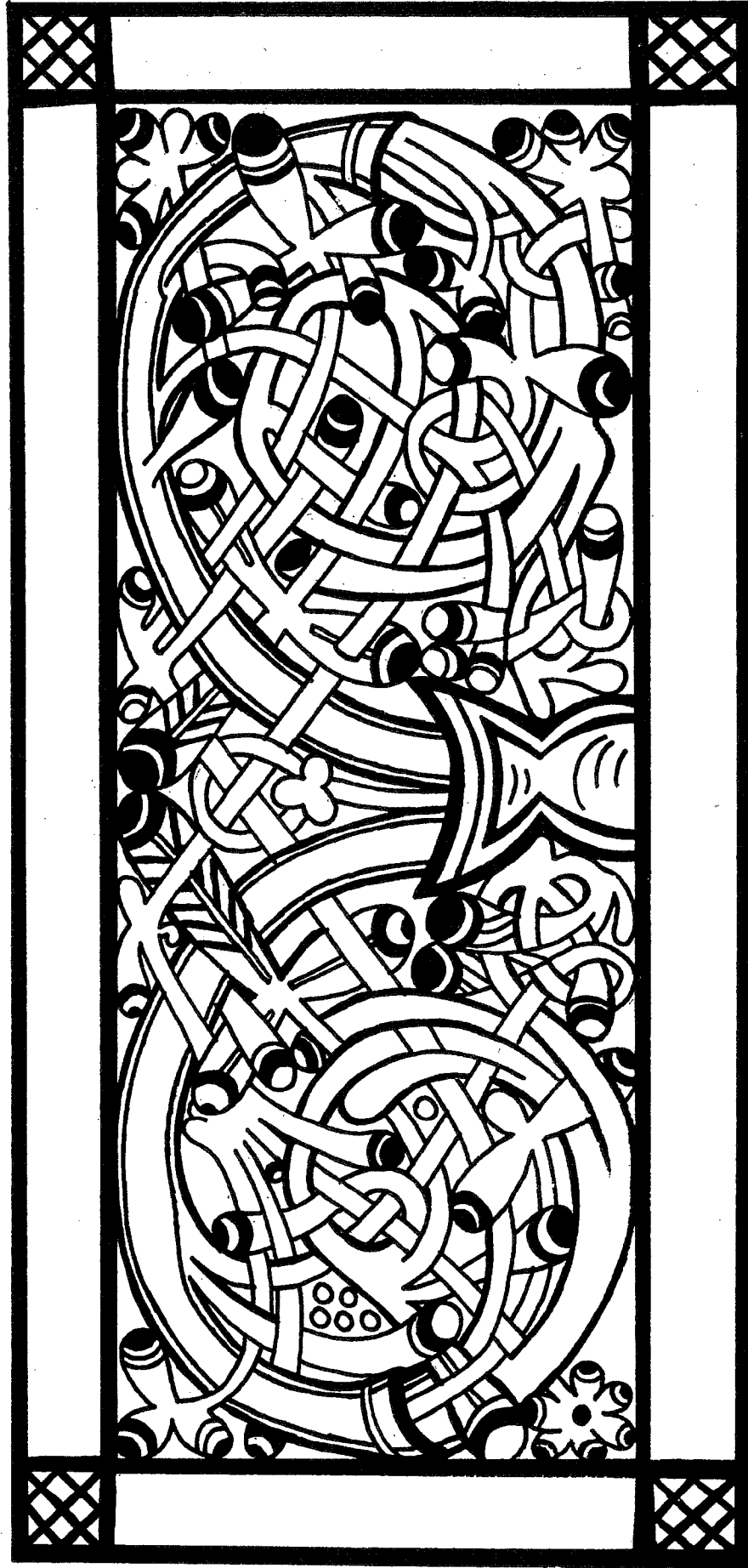
1. Ella was confident she would win her race.  
 unsure certain hopeful nervous
2. We felt tense as we watched the race.  
 happy uptight relaxed fearful
3. Jamie focused on the challenge ahead.  
 contest day time run
4. Jamie thought about winning as he was hurting along the track.  
 driving plodding speeding dawdling
5. Sean told Jamie his performance was impressive.  
 amazing dull frightening thoughtful
6. Ella gave Jamie a reassuring smile.  
 disturbing friendly frosty comforting



Write new sentences for two of the underlined words.



a pair of intertwined birds and foliage,  
from the end of the genealogy of Christ found in St. Luke's Gospel.



from the end of the genealogy of Christ found in St. Luke's Gospel.



