



1. Look at the number written in words below.

**Thirteen and a half**

What is this number as a decimal number?

Write your answer in the space below.

\_\_\_\_\_

2. What is 75% as a fraction? Write your answer in the space below.

\_\_\_\_\_

3. Look at the four numbers below. Tick  the number in which 8 stands for 8 tenths.

7138.52     

7135.82     

7153.28     

7185.32     

- 4.(a) Add 67561 and 94272. Write your answer in the space below.

\_\_\_\_\_

- (b) Subtract 67561 from 94272. Write your answer in the space below.

\_\_\_\_\_

5. Look at the eight numbers below. Put a circle around each prime number in the list.

2    6    11    13    15    20    23    27

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6. Look at the eight numbers below. Put a circle around each square number in the list.

7    9    10    12    25    27    40    49

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7. The table below shows the maximum and minimum temperatures over a weekend. Calculate the difference between the maximum and minimum temperatures for Saturday and Sunday. Write your answers in the boxes provided.

| Day      | Maximum Temperature | Minimum Temperature | Difference |
|----------|---------------------|---------------------|------------|
| Saturday | 16°C                | 3°C                 | °C         |
| Sunday   | 22°C                | -5°C                | °C         |

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8. If  $13 + p = 21$ , what is the value of  $p + 7$ ?  
Write your answer in the space below.

\_\_\_\_\_

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### A Place called Orkney

Do you know a place called Orkney?  
Where the town only whispers,  
And the mountains don't utter a word.  
Where the sea is as clear as glass,  
But blue like the cloudless sky.  
With fish, eels, crab and lobster,  
Shipwrecks and barriers of stone?  
The bottomless depths are perilous,  
Where few boldly go.  
Do you know about the standing stones?  
That baffle the scientists,  
Scanning the circle of mystery.

Adapted from A Place called Orkney by Adam Purvis

9. Look at the statements below. Decide whether each of the following statements are true or false. Base your answer on the information in the poem. Tick  each statement true or false.

|  | True                     | False                    |
|--|--------------------------|--------------------------|
| Orkney is a place which is very noisy.                     | <input type="checkbox"/> | <input type="checkbox"/> |
| The sea is a very safe place.                              | <input type="checkbox"/> | <input type="checkbox"/> |
| Scientists know why the standing stones were placed there. | <input type="checkbox"/> | <input type="checkbox"/> |

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10. Find the word in the poem closest in meaning to each of the words below. Write your answer in the space provided.

transparent \_\_\_\_\_  
dangerous \_\_\_\_\_  
confuse \_\_\_\_\_

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11. The following four words are used in the poem: utter, shipwreck, boldly and perilous. Tick  the correct box in the table below to show which of the four words is used as an adjective, a verb, a noun or an adverb.

|           | Adjective | Verb | Noun | Adverb |
|-----------|-----------|------|------|--------|
| utter     |           |      |      |        |
| shipwreck |           |      |      |        |
| boldly    |           |      |      |        |
| perilous  |           |      |      |        |

12. What does the poet mean by 'the town only whispers'? Base your answer on the information in the passage. Tick  the correct answer.

He means that everyone in the town speaks quietly.

He means that the town is a peaceful place.

He means that there are no noisy people allowed into the town.

13. The poet describes the sea as having barriers of stone. What do you think he is describing here? Base your answer on the information in the poem. Tick  the best answer.

He is describing the waves of the sea being strong as stone.

He is describing the rocks which surround Orkney.

14. Which two words does the poet use to describe the water? Tick  the best answers.

Clear

Blue

Cloudless

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16. Alice bought a dress in the sale. The price of the dress before it was put in the sale was £68. This price was reduced by 20% in the sale. How much did Alice pay for the dress? Write your answer in the space below.

\_\_\_\_\_

17. Flour costs £1.40 per kilogram. What is the cost of 250g of flour? Write your answer in the space below.

\_\_\_\_\_

18. Milk costs £1.12 per litre. What is the cost of 25 litres? Write your answer in the space below.

\_\_\_\_\_

19. Ribbon costs £3.50 per metre. What is the cost of 120cm of ribbon? Write your answer in the space below.

\_\_\_\_\_

20. John goes to bed at 21:43. He sleeps for 8 hours and 25 minutes. At what time does he wake up? Write your answer in the space below.

\_\_\_\_\_

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21. A bag contains coloured counters. In the bag there are ten counters. Here are the number of counters of each colour in the bag:

5 blue

3 red

1 yellow

1 brown

Claire cannot see into the bag. She picks a counter from the bag. What is the probability of picking a blue counter? Give your answer by circling the correct fraction below.

$\frac{1}{5}$

$\frac{5}{1}$

$\frac{10}{5}$

$\frac{1}{2}$

- 
22. In a primary school class 40% of pupils play football, 25% play basketball, and the rest swim. The number of pupils who play basketball is 5. How many pupils are there in the class? Write your answer in the space below.

\_\_\_\_\_ pupils

23. How many pupils swim? Write your answer in the space below.

\_\_\_\_\_ pupils

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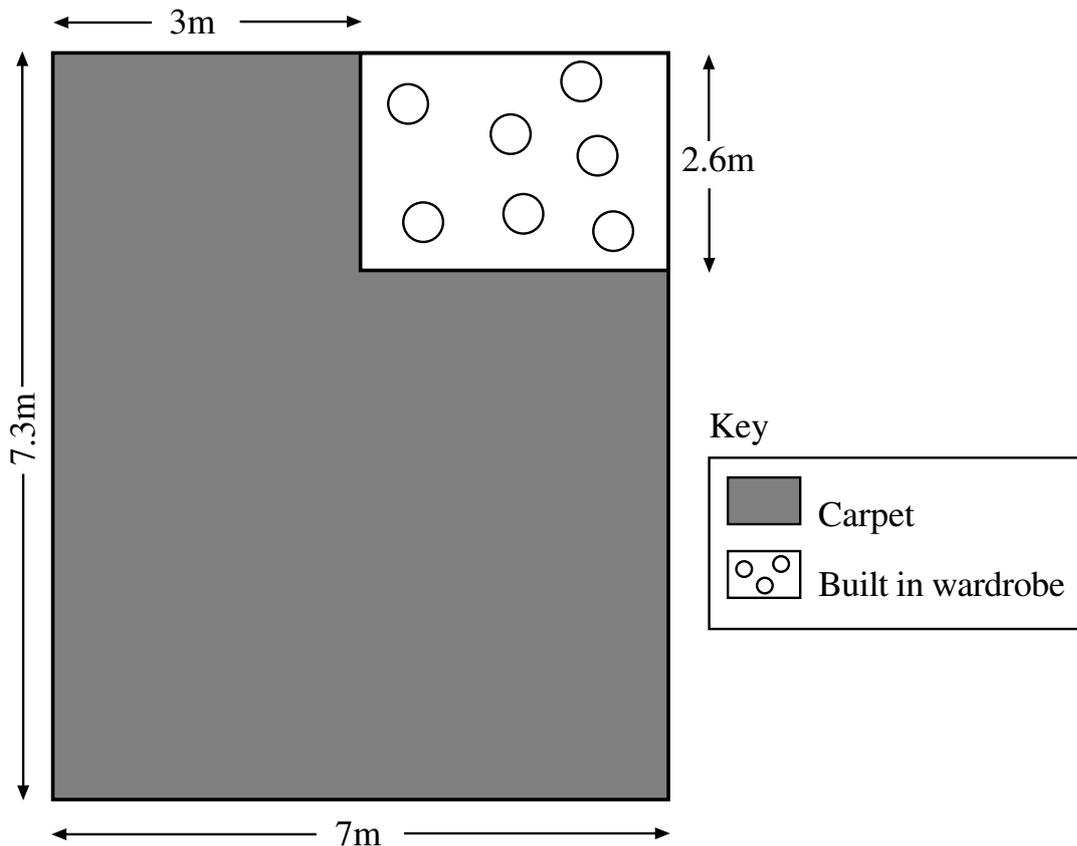
29. Complete the number statements below by writing the missing number in the space provided.

$$108 \times 482 = 216 \times \underline{\hspace{2cm}}$$

$$432 \div 16 = \underline{\hspace{2cm}} \div 8$$

$$736 - 418 = 536 - \underline{\hspace{2cm}}$$

30. A plan of Sean's bedroom is shown in the diagram below. The Key tells you where Sean's wardrobe is and which parts of his bedroom are carpeted. Calculate the area of Sean's room which is carpeted. Give your answer in  $\text{m}^2$ . Write your answer in the space below.

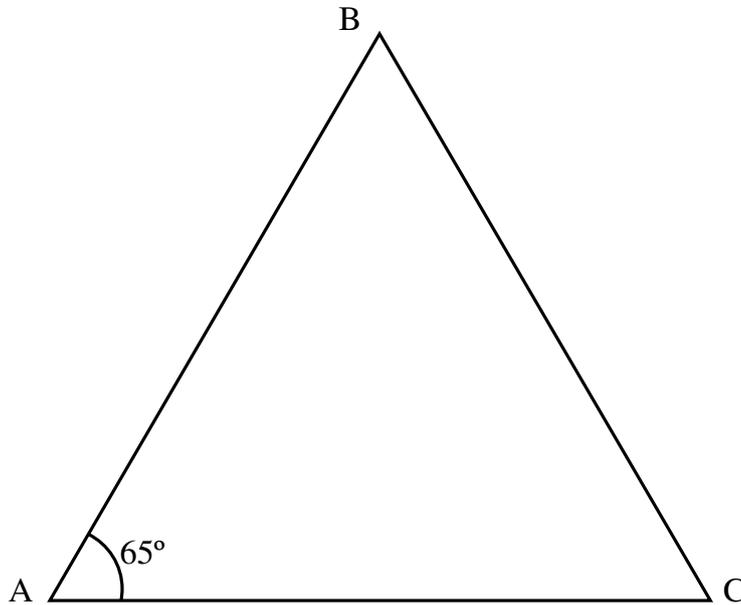


                      $\text{m}^2$

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31. Look at the diagram below. The triangle ABC is an isosceles triangle. Angles A and C are equal. The angle at A is  $65^\circ$ . What is the size of the angle at B? Write your answer in the space below.



Angle at B = \_\_\_\_\_<sup>o</sup>

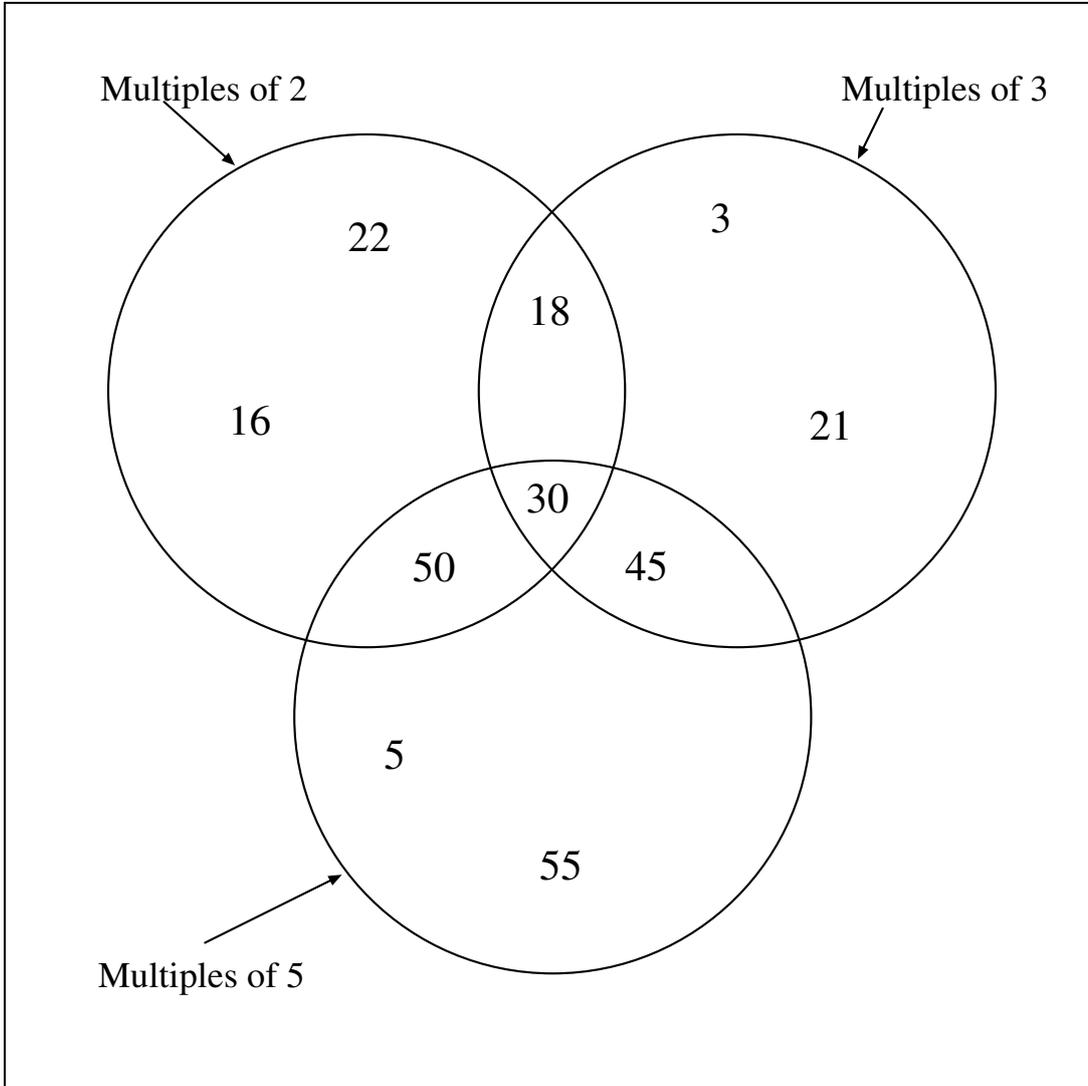
32. Look at the four types of angle below. What type of angle is  $65^\circ$ ? Select one of the four types of angle by ticking  the box.

- Acute angle
- Obtuse angle
- Reflex angle
- Right angle

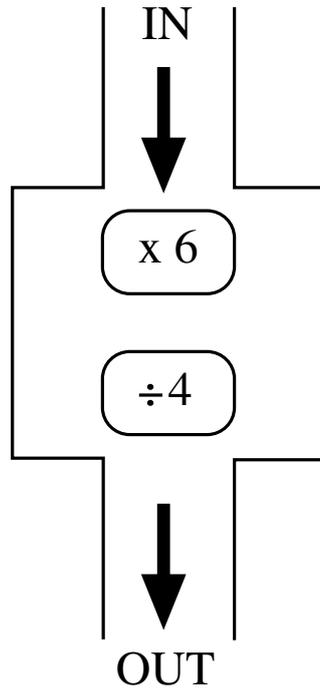
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33. Look at the Venn diagram below. Some numbers are written on the Venn diagram. Where would the number twenty go on the Venn diagram? Give your answer by writing 20 in the correct place on the Venn diagram.

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34. Look at the function machine below. Use the function machine to write the missing numbers in the table below.



| IN | OUT |
|----|-----|
| 4  |     |
| 8  |     |
|    | 7.5 |

35. The number of minutes taken by nine pupils to complete a puzzle is given below:

3    3    6    6    6    7    5    3    6

What is the mean time to complete the puzzle? Write your answer in the space below.

\_\_\_\_\_ minutes

36. Look at the times taken by the nine pupils to complete the puzzle. What is the range? Write your answer in the space below.

\_\_\_\_\_ minutes

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**Dr. Lee's Coloured Fish**

Twelve golden, white  
and black carp swimming  
in the filtered water  
of a tank beside my still head,  
spurting up for food or  
scattering like birds startled  
by a sound.  
Brought as bright hand-luggage  
on the plane from Singapore:  
now they turn  
to and fro, hardly pausing, and  
then only to direct movement.

**John Dickson**

37. What three colours are used to describe the fish? Write your answers in the spaces below.

\_\_\_\_\_ and \_\_\_\_\_ and \_\_\_\_\_

38. Write the five words below in alphabetical order in the spaces provided. The first one has been done for you.

swimming spurting scattering startled Singapore

1. scattering

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

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39. Find the word closest in meaning to each of the words below. Each word you're searching for appears somewhere in the poem. Write your chosen word in the space provided.

quiet \_\_\_\_\_

surprised \_\_\_\_\_

motion \_\_\_\_\_

40. Based on your understanding of the poem, circle the best word or best pair of words to complete the sentences below:

The poet is describing a **filter** **suitcase** **container** holding **a couple** **a few** **a dozen** **one** fish that are **sleeping** **motionless** **darting** **floating** in the water.

41. The following four words are used in the poem: carp, still, hardly and direct. Tick  the correct box in the table below to show which of the four words is used as an adjective, a verb, a noun or an adverb.

|        | Adjective | Verb | Noun | Adverb |
|--------|-----------|------|------|--------|
| carp   |           |      |      |        |
| still  |           |      |      |        |
| hardly |           |      |      |        |
| direct |           |      |      |        |

42. To which other animal is the movement of the carp compared?  
Write your answer in the space below.

\_\_\_\_\_

43. Find two words that the poet uses to describe the sudden movement of the fish. Write your answers in the space below.

\_\_\_\_\_ and \_\_\_\_\_

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44. When two numbers are added together the answer is 26. When the smaller number is subtracted from the larger number, the answer is 4. What are the two numbers? Write your answer in the spaces below.

\_\_\_\_\_ and \_\_\_\_\_

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45. What percentage of 165 is 55? Write your answer in the space below.

\_\_\_\_\_ %

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46. Look at the four numbers below.

1086      10.86      108.6      1.086

The answer to the calculation below is one of these four numbers. Write the number you have chosen in the space below.

When you multiply 0.9 by 114 and then add 6 you get

\_\_\_\_\_

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47. Find the first number in the sequence below. Write your answer in the space provided.

\_\_\_\_\_      9.5      10.2      11.0      11.9

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48. Look at the four fractions below. Circle the fraction nearest in value to 0.5.

$\frac{5}{6}$        $\frac{5}{12}$        $\frac{3}{4}$        $\frac{2}{3}$

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49. Look at the dates of birth of five pupils:

|          |                  |
|----------|------------------|
| Paul     | 13th June 2001   |
| Sinead   | 21st April 2000  |
| Fiona    | 24th March 2001  |
| Richard  | 11th August 2000 |
| Caroline | 1st May 2001     |

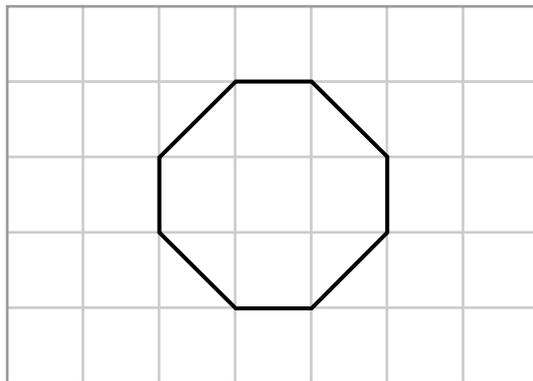
Who is oldest? Write the oldest pupil's name in the space below.

\_\_\_\_\_

50. In each stage of a relay race the runner must cover a distance of  $\frac{1}{6}$  of a kilometre. Each runner runs one stage only. The total distance to be covered in the race is  $\frac{2}{3}$  of a kilometre. How many runners are needed? Write your answer in the space below.

\_\_\_\_\_ runners

51. Look at the octagon in the grid below. Each square in the grid has sides of length 1 centimetre. What is the perimeter of the octagon? Choose one of the answers below by ticking  the box.



The perimeter is 8 cm

The perimeter is less than 8 cm

The perimeter is more than 8 cm

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## Hauntingdale

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Ross, his best friend from college days, had always invited him to visit. “Hauntingdale” was a tranquil and secluded spot and would be perfect to give him inspiration for his novel.

The flight from New York to Heathrow was uneventful. When he arrived in London he studied the email which laid out the directions for “Hauntingdale”. The directions were vividly described and Ryan felt confident when he boarded the train on platform three with his two cases, his holdall and a camera strapped over his shoulder. “Typical American tourist!” he mused.

The train stopped eventually at the village and he got out. It was dusk. He stepped into the only taxi outside the station and said tersely: “Hauntingdale Manor, please.” The driver made no reply and simply nodded his head. The road from the station appeared remote and isolated. The taxi to the Victorian manor moved like a hearse through the large iron gates. “Hauntingdale” was inscribed on the entrance and the image reminded Ryan of the entrance to the concentration camps in Europe.

The big house was stark and gloomy. The gargoyles fixed their stare on him as he stepped gingerly through the creaking and open front door. No Ross, just a solitary note of apology saying that he had been called to London. “Forgive me, buddy. I didn’t choose to go myself. Make yourself at home and I will be with you shortly.”

Adapted from Hauntingdale by Leah Rea

52. Look at the statements below.  
Decide whether each of the following statements are true or false.  
Base your answer on the information in the passage. Tick  each statement true or false.

|   | True                     | False                    |
|---|--------------------------|--------------------------|
| Ryan was a regular visitor to Hauntingdale. | <input type="checkbox"/> | <input type="checkbox"/> |
| Ryan is an American.                        | <input type="checkbox"/> | <input type="checkbox"/> |
| Ross left Ryan several notes.               | <input type="checkbox"/> | <input type="checkbox"/> |

53. Complete the following sentences by circling the word that fits best:

Hauntingdale was a **modern** **gloomy** **pretty** house.

Ross instructed the taxi driver **quietly** **loudly** **quickly**.

“Typical American tourist!” he **laughed** **thought** **said** **whispered**.

54. Find the word closest in meaning to each of the statements below. Write the word in the space provided. The first word is in the first paragraph, the second word is in the second paragraph and the third word is in the third paragraph.

education institution \_\_\_\_\_

mounted \_\_\_\_\_

twilight \_\_\_\_\_

55. The following four words are used in the passage: perfect, vividly, entrance and forgive. Tick  the correct box in the table below to show which of the four words is used as an adjective, a verb, a noun or an adverb.

|  | Adjective | Verb | Noun | Adverb |
|--|-----------|------|------|--------|
| <b>perfect</b><br>(used in paragraph 1)  |           |      |      |        |
| <b>vividly</b><br>(used in paragraph 2)  |           |      |      |        |
| <b>entrance</b><br>(used in paragraph 3) |           |      |      |        |
| <b>forgive</b><br>(used in paragraph 4)  |           |      |      |        |

56. Where would you normally find a passage such as “Hauntingdale”? Tick  the best answer.

In an encyclopaedia

In a dictionary

In a novel

In a diary

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