

# PiAcademy

## 7+ Mathematics Test Paper - 2

### Instructions:

1. Do not open this booklet until you are told to do so.
2. You will have 45 minutes to do the test.
3. You may work the questions out in your head, or by writing on the white area around the question.
4. Write the answer on the question paper itself in the space provided for the answer. Each blank carries 1 mark.
5. If you have written the wrong answer, erase it or cross it out and write the new one. Make sure that your final answer is clear. You will not lose marks for crossing out.
6. No Marks are lost for an incorrect answer.

Symbols used:



Go to the next page.



Do not turn the page until told to do so.



Stop working and await instructions.

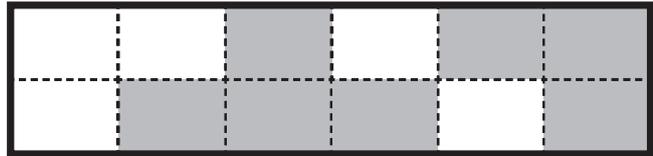
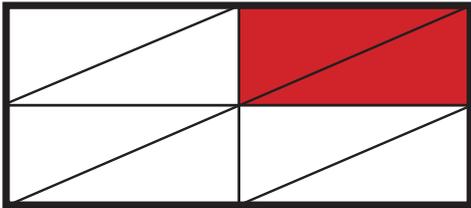
[piacademy.co.uk](http://piacademy.co.uk)



1. What is  $\frac{1}{4}$  of 16?

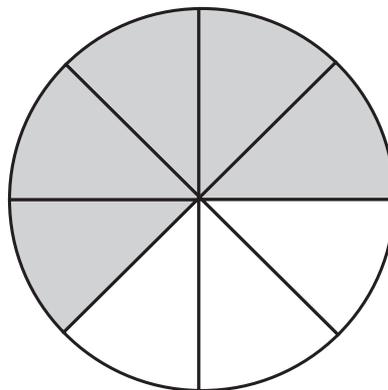
\_\_\_\_\_

2. On the line underneath each shape write a fraction to show how much each is shaded.



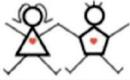
\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_





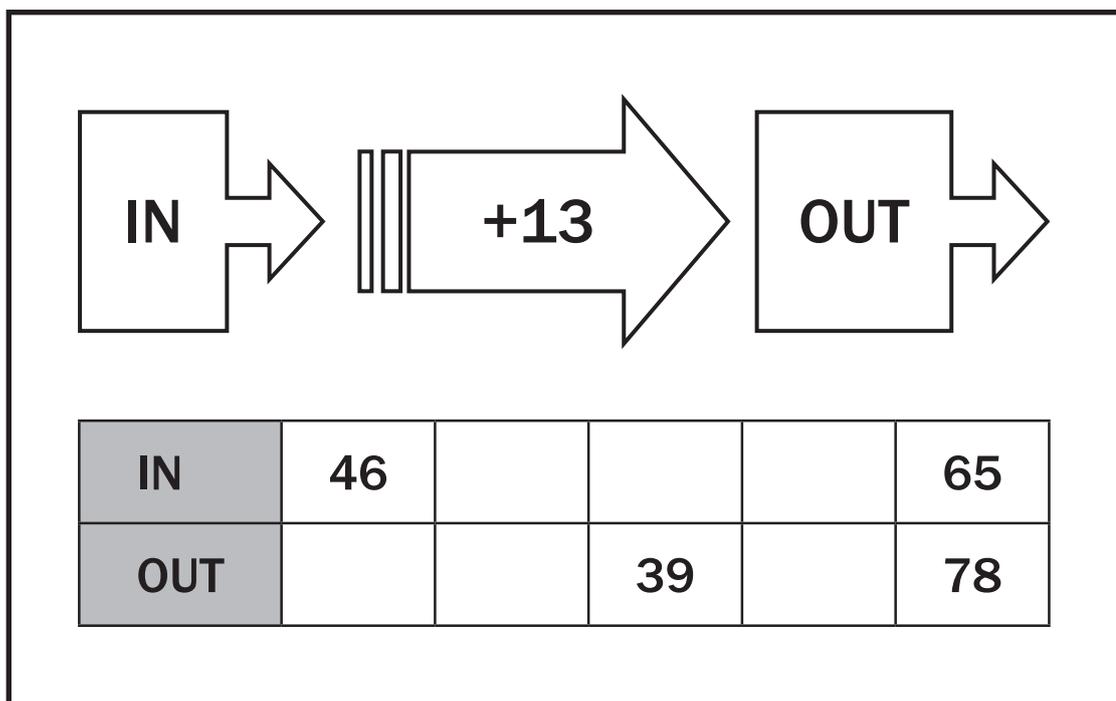
3. How many sides does a pentagon have?

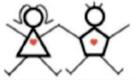
\_\_\_\_\_

4. Write two odd numbers between 30 and 40.

\_\_\_\_\_

5. Write the missing numbers going in and coming out of the number machine?





6. Complete the following calculations using  $>$ ,  $<$  and  $=$

a)  $23 + 44$

$12 + 13$

b)  $7 + 13$

$31 + 10$

7. Complete this multiplication grid.

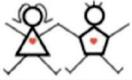
X	3	2	4	6
5				
10				
2				

8.

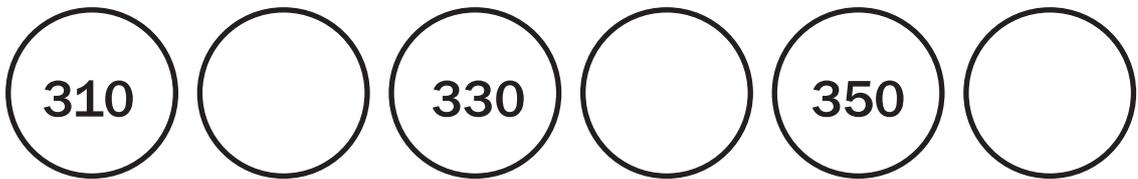
$45 +$

$= 67$



**9.**

$32 + 4 = 12 +$

**10.** Fill in the blank spaces of this number sequence.**11.** Draw a ring round the numbers which are multiples of 5.

535

417

360

26

25

511

**12.** Write these numbers in words.

a) 67

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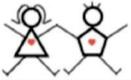
b) 83

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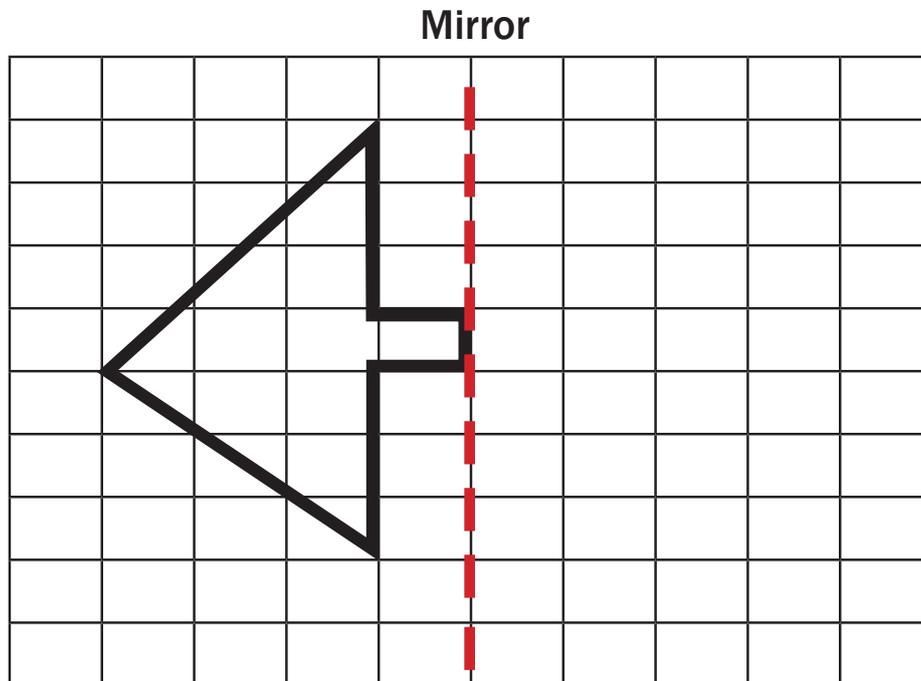
c) 49

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**13.**

This shape is held in front of a mirror. Draw its mirror image using scale.

**14.**

Josh bought 5 apples. He paid with 60p and got 10p change. How much did each apple cost?

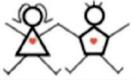
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**15.**

I am thinking of a number. It has a 7 in the ones column, 3 in the hundreds column and a 2 in the tens column. Write down this number.

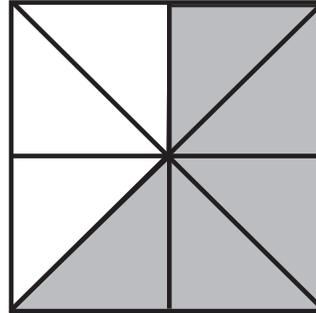
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**16.** Draw lines to match the fraction to the shape.

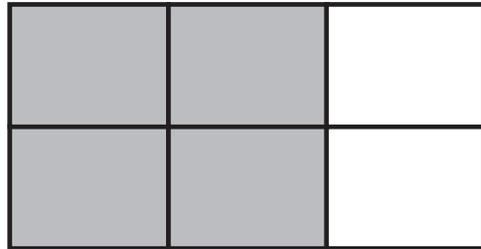
$$\frac{1}{8}$$



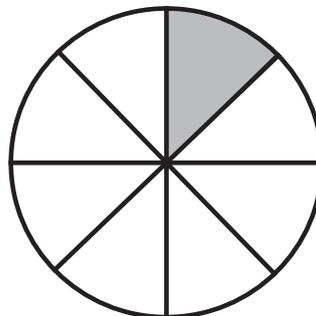
$$\frac{4}{6}$$

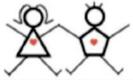


$$\frac{2}{3}$$

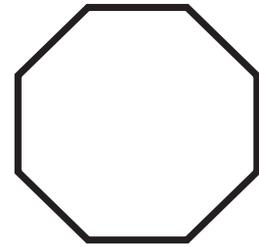
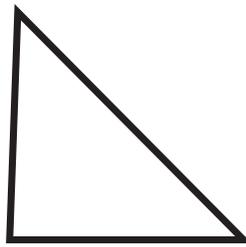
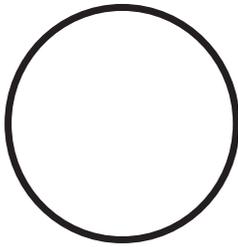


$$\frac{5}{8}$$





**17.** Join each shape to its name using a pencil line.



Triangle

Circle

Octagon

Square

**18.** Which two numbers add together to make 1500?

300    750    600    750    200

\_\_\_\_\_

\_\_\_\_\_

**19.** What is 6 more than 89?



**20.** Match the items on the left to how much you think they weigh.

1) A pen

a) 4kg

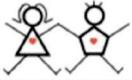
2) A notebook

b) 20g

3) A cat

c) 150g

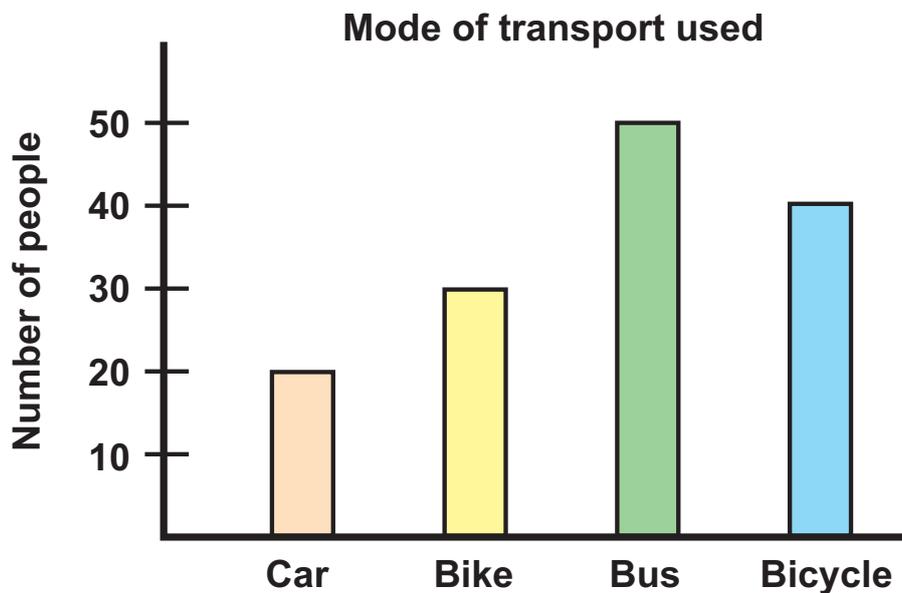




**21.** Using the digits 7, 8 and 1 write down.

- a) The largest number you can make \_\_\_\_\_
- b) The smallest number you can make \_\_\_\_\_

**22.** Look at the barchart below.  
Answer the questions underneath.



- a) How many people own a car? \_\_\_\_\_
- b) How many people own a bike and a bus? \_\_\_\_\_
- c) How many people own a bicycle? \_\_\_\_\_

