

Name:

Date:

The Papaya that Spoke Maths Challenge



The characters in this story had to solve some tricky maths problems during their adventures. Could you have helped them? Read the questions in this booklet and see if you can work out how to solve the problems.

There's lots of space on each page for you to make jottings and draw pictures to help you.

Practice question

The farmer's dog has been saving his bones .



How many bones has he saved?



Write the total.

bones

There are **5** papayas on each of the farmer's trees.

The farmer has **4** trees

1. How many papayas are there altogether?



papayas

The farmer lives in a village.

The village has **35** cottages.

10 have **blue** doors.

12 have **green** doors.

The rest have **red** doors.

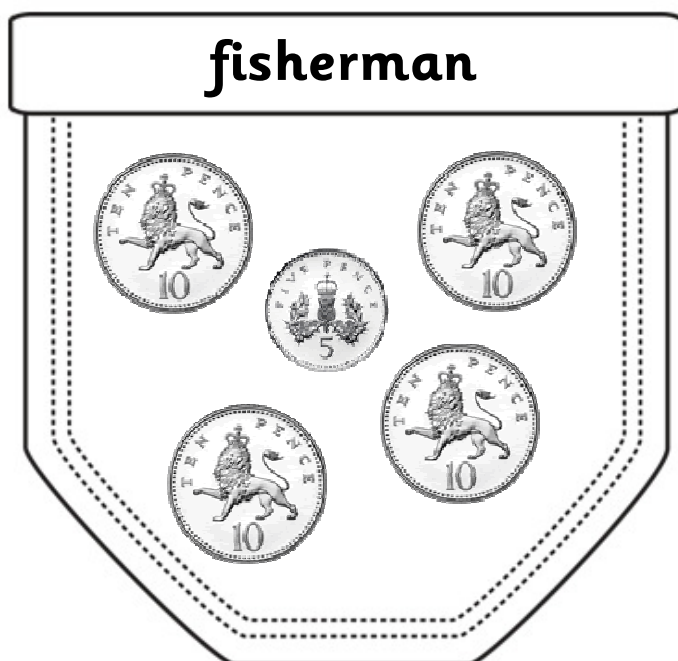
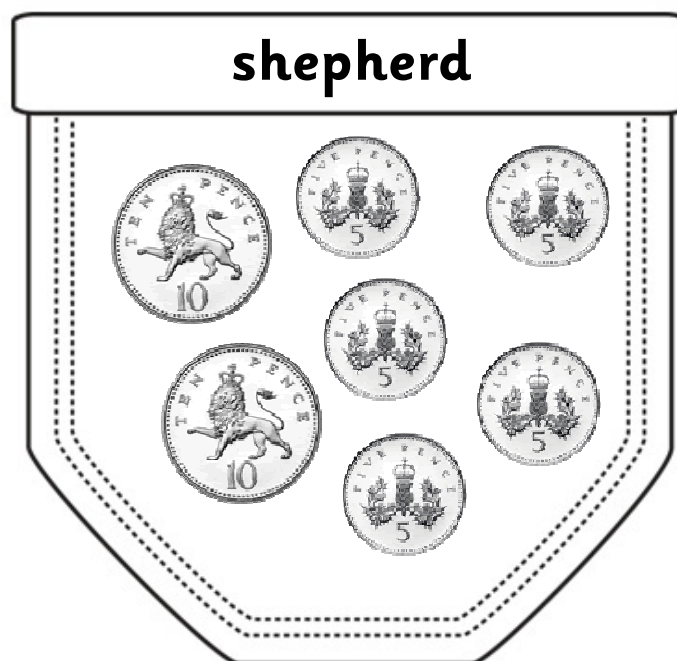
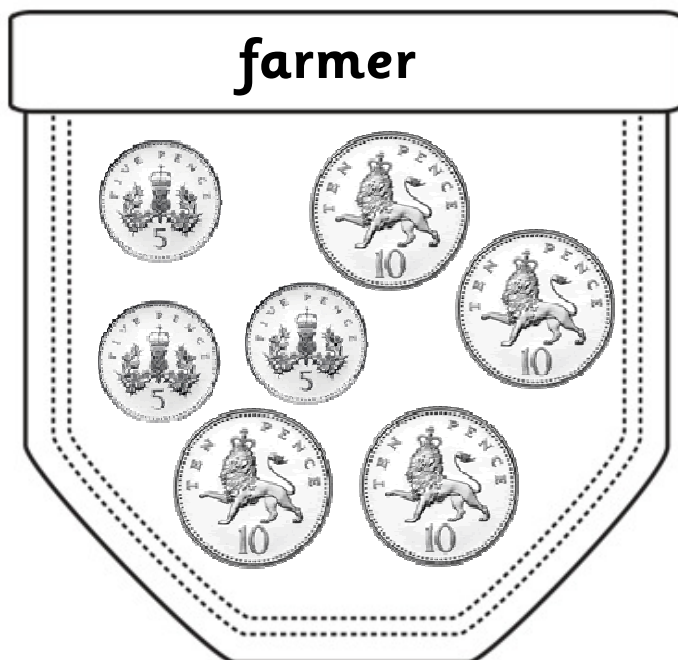


2. How many cottages have **red** doors?

Show how you work it out in the box below.

cottages

The farmer, the fisherman and the shepherd all have money in their pockets.



3. Circle the characters that have the same amount of money in their pockets?

farmer

fisherman

shepherd

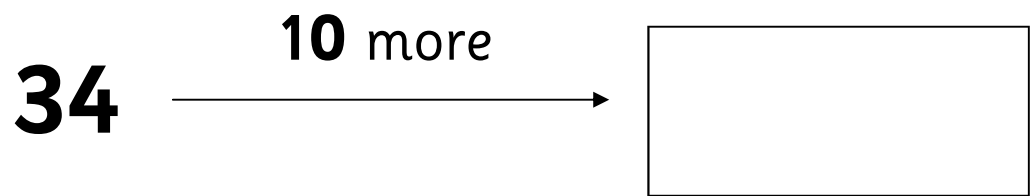
Here is a map. It shows where the farmer's house is (square F2).
The king's castle is in **square B5**.

4. Can you put a tick (✓) in the right box?

5						
4						
3						
2						X
1						
	A	B	C	D	E	F

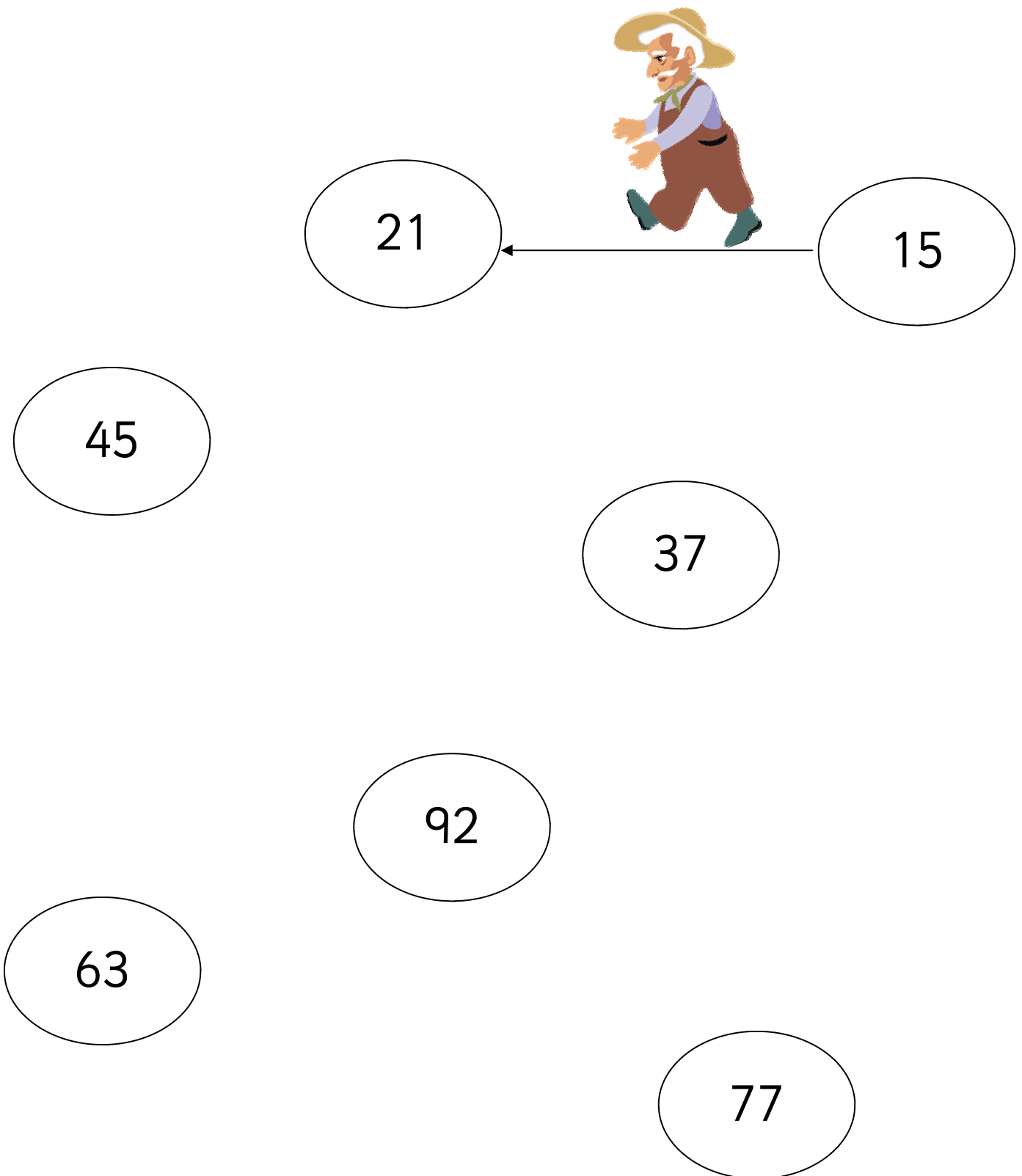
The fisherman caught **34** fish in the morning and **10** more in the afternoon.

5. How many fish did he catch **altogether**?















The farmer walked on all the numbers from smallest to largest.

6. Draw arrows to show the path he took.



The shepherd kept a tally of the number of turnips his goats ate in four days.

Days	Number of turnips
Monday	 
Tuesday	   
Wednesday	  
Thursday	  

7. How many turnips did the goats eat altogether?

turnips

8. Can you help the shepherd write the missing numbers in this sequence?

39

37

35

27

25

9. The shepherd has a problem. He must write each of the numbers in the correct box. He has done one but is stuck on the rest.



Can you help?

43

18

27

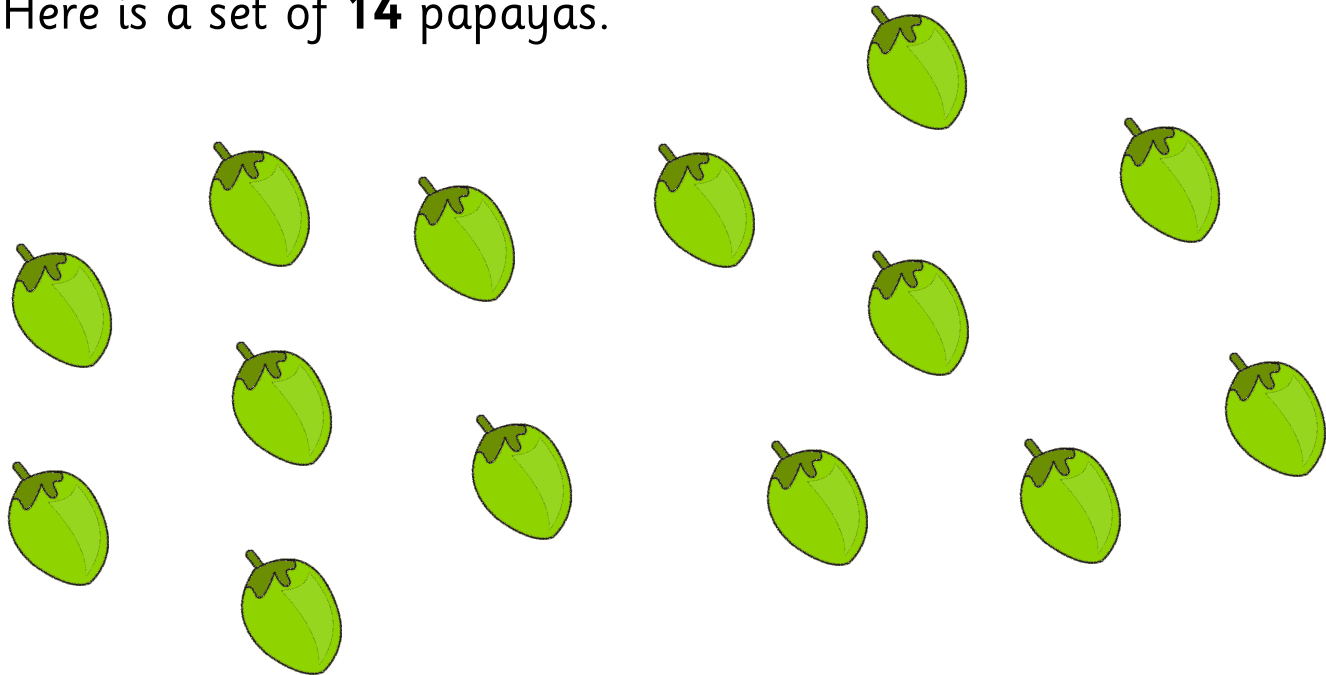
39

22

31

round to 20	round to 30	round to 40
		41

Here is a set of 14 papayas.



10. How many is half a set?

11. The king needs to draw the missing line in this pattern of lines.

Can you help?

Use a ruler.

1cm

—

3cm

————

cm

7cm

—————

9cm

—————

12. Choose a word from the box to finish the farmer's sentence.

metres
kilograms
hours
litres

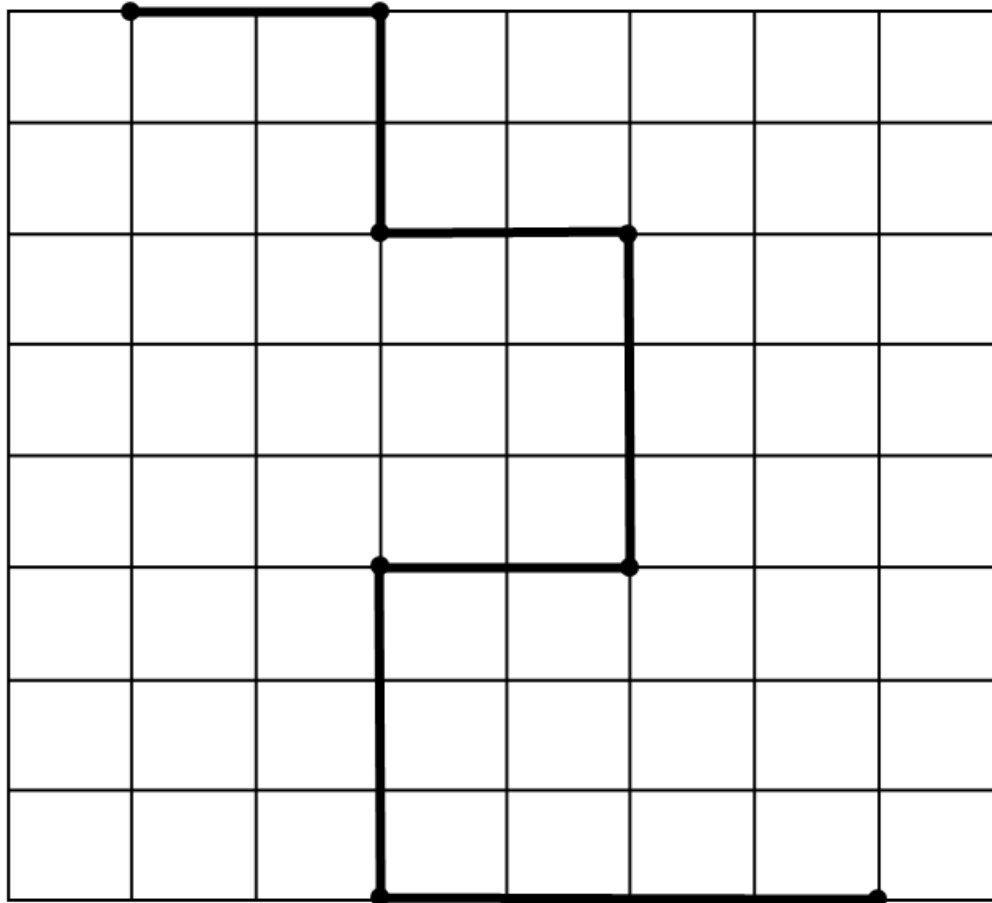
I can measure the
weight of my dog in



The farmer's dog went for a walk. He went on this route from START to STOP.



START



STOP

He started writing down the moves he took.

13. Can you complete his moves?

right 2

down 2

right 2

down 3

left 2

The king's watch shows this time:



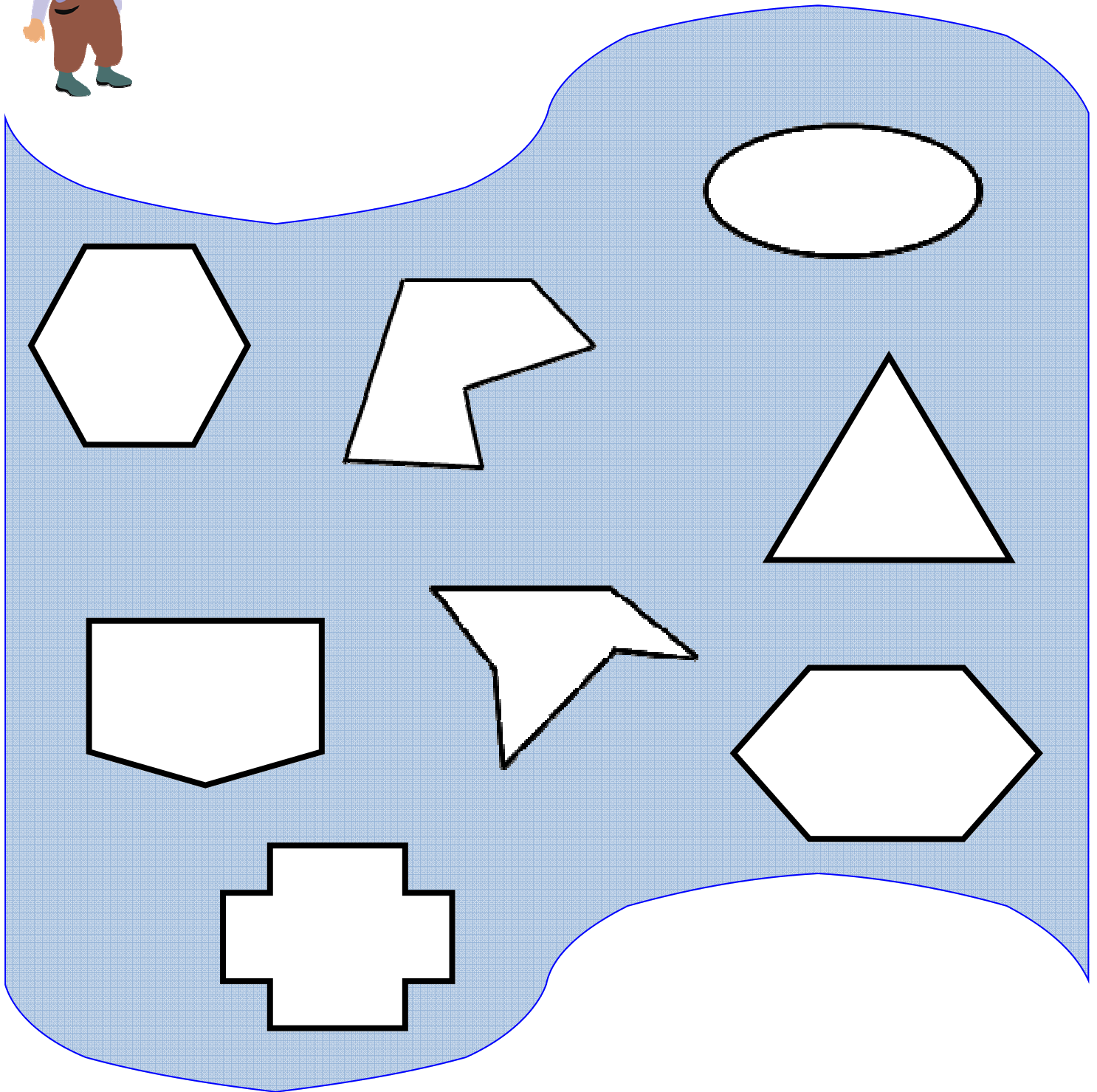
The fisherman's watch shows the same time:

14. Draw the hands on the fisherman's watch.

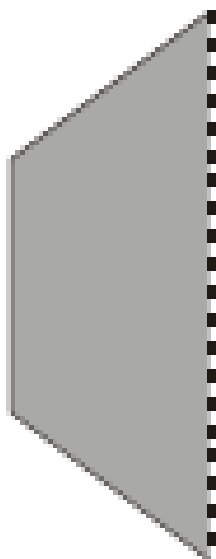


The farmer needs to cross the river. He can only walk on the stepping stones that are hexagons.

15. Tick the **hexagons** the farmer can walk on.



The king has folded this shape in half along the dotted line.



16. He has asked the shepherd to tell him how many sides the shape would have if it was opened up.

Can you help?

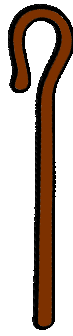
sides

17. The shepherd cannot work out the answer to this problem.

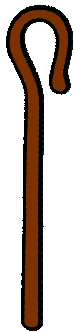
Can you help?

$$71 - 31 = \square$$

Here is the shepherd's crook.

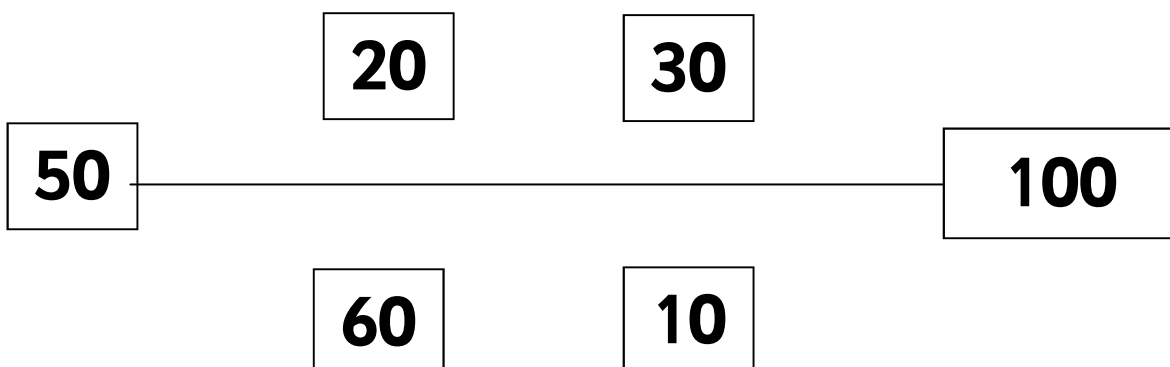


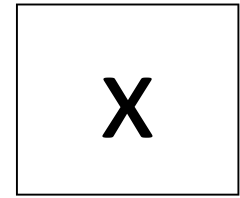
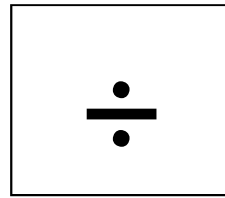
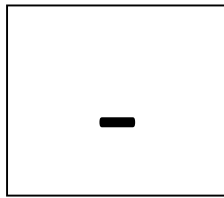
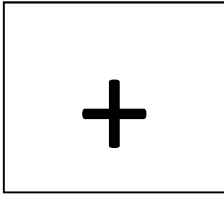
18. Tick (✓) the crook which shows how it looks after **a quarter turn clock-wise.**



19. Can you help the fisherman to join the numbers to their **doubles**.

One has been done for you.





20. Can you help the king to write the missing sign in each box?

$$20 \quad \square \quad 8 = 12$$

$$20 \quad \square \quad 2 = 10$$

$$20 \quad \square \quad 10 = 30$$

The shepherd has **2** goats. Each goat gives him **2** litres of milk every day.

21. How many litres of milk will the goats give after **3** days?

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litres of milk