

Grades
3-6



Logic puzzles and Brain Teasers 2ND Edition



Which way is



an looking?



Which way is



The m



Group 10 Answers

- Seven. The riddle says **all but seven** run away, meaning there are seven left who didn't.
- There are many answers to this, open ended questions like this encourage great class discussion. What months have 30 days in them? How many minutes in half an hour? What is 15×2 ? What is $\frac{1}{4}$ of 120? How many students are in our class?
- The circle has the value 5.
The triangle has the value 8.
The club has the value 6.

▲	♣	▲	●	27
♣	●	♣	▲	28
●	▲	●	♣	20
▲	♣	♣	▲	28

27	22	25	26
----	----	----	----

Questions

and. One day, a big storm hits and many sheep does the farmer have

the question be?

er. The numbers shown are the
ers in the row or column. Find the

Group 8 Answers

-
- I am 48 years old (Or possibly 104!)
- Answers will vary but here are some solutions

1 dog and 18 boys	5 dogs and 10 boys
2 dogs and 16 boys	6 dogs and 8 boys
3 dogs and 14 boys	7 dogs and 6 boys
4 dogs and 12 boys	8 dogs and 4 boys
	9 dogs and 2 boys

Group 9 Answers

- I am 9 years old now.
- Here is one possible answer,
Can you find others?

3	5	1
6	2	4

- Footsteps

Group 5

- My mum was 27 when I was 8 years ago she was twice as old. How old am I now?
- Use each of the numbers 1 to 10. Numbers next to each other are for example

Question cards with answer sheets

Questions

and. One day, a big storm hits and many sheep does the farmer have

the question be?

er. The numbers shown are the
ers in the row or column. Find the

of 7. How old am I?

3. Rebecca notices boys and dogs running past her at the park. She counts a total of 40 legs running by. How many boys and how many dogs might have run past her? How many answers can you find?

Questions

and. One day, a big storm hits and many sheep does the farmer have

the question be?

er. The numbers shown are the
ers in the row or column. Find the

Group 7 Answers

- There are 17 squares

5	12	19	26	33	40
---	----	----	----	----	----

- Add 7 each time

- A clock

Group 7 Questions

- How many squares can you count?

5	12	19	26	?	?
---	----	----	----	---	---

- Look at the numbers in the shapes. What are the next two numbers in the pattern? Explain the rule.

- What has a hands but cannot clap?

Group 6 Answers

- The ball costs 5 cents. One dollar more than 5 cents is \$1.05, the sum of which is \$1.10.
- There are 11 triangles

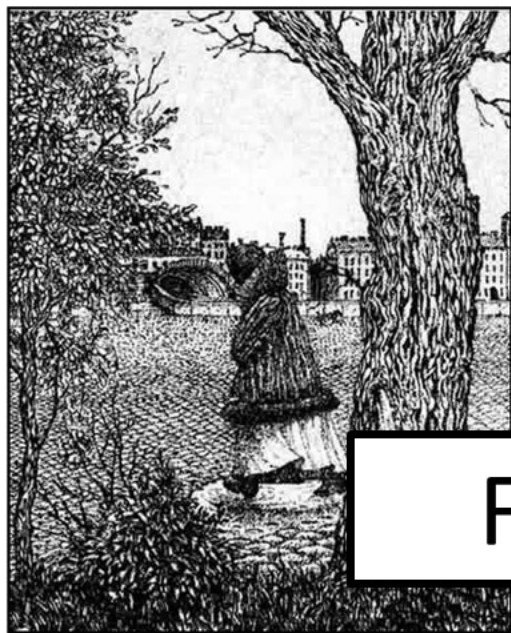
- Subtract the top right number from the top left number and your answer is in the bottom segment.

Group 6 Questions

- A bat and a ball cost \$1.10. The bat costs one dollar more than the ball. How much does the ball cost?
- How many triangles can you count?

- Study the first 2 circle in each row and complete the 3rd one. Explain the rule.

What do you see?



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What do you see?



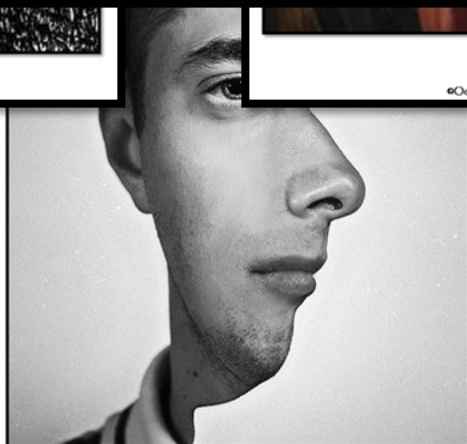
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What do you see?



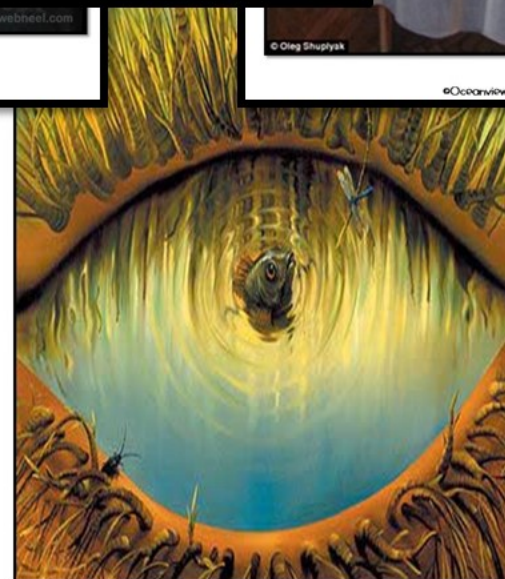
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Fun Optical Illusions



The man looking?

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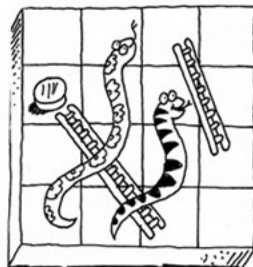
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Group 1 Questions

1. What can you hold without ever touching or using your hands?
2. A cowboy rode into town on Friday. He stayed in two for three days and rode out of Friday. How was that possible?

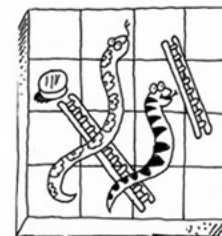
3. Your counter is on 9. You roll a 6 sided dice.
After two moves you land on 16.
Find all the different ways you can do it.



Group 1 Answers

1. Your Breath.
2. Friday was the name of his horse!!

3. $9 + 1 + 6$ $9 + 6 + 1$
 $9 + 2 + 5$ $9 + 5 + 2$
 $9 + 3 + 4$ $9 + 4 + 3$



Vary the activity by choosing a different number

On which to land.



Sample cards

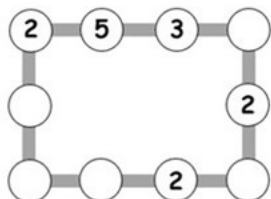


Group 2 Questions

1. Which numbers is the odd ones out in this row and why?



2. Make each row add up to 16

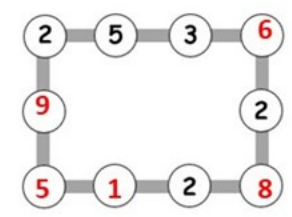


3. What has four legs, but can't walk?



Group 2 Answers

1. The odd number is 10 because all of the others are square numbers.

2.  Other solutions are possible

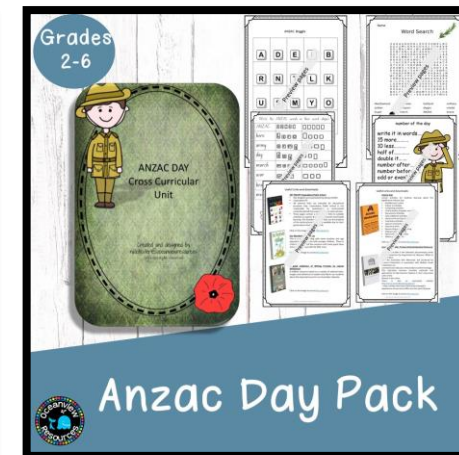
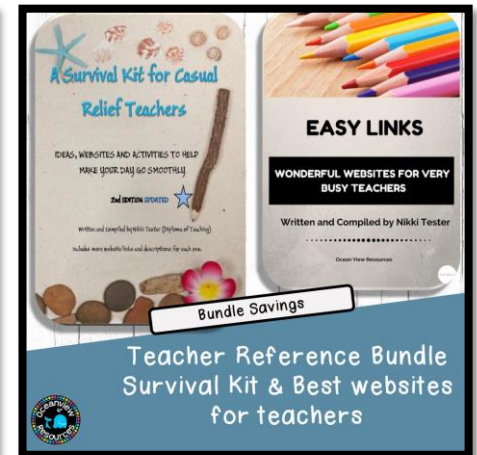
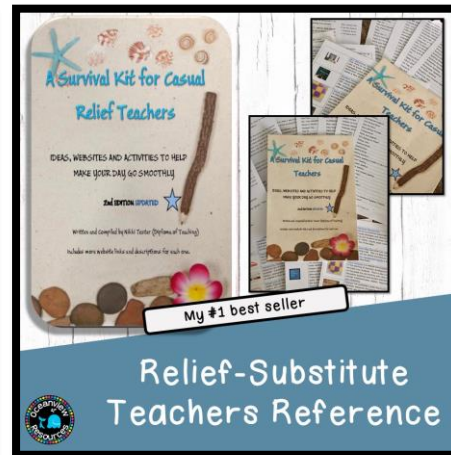
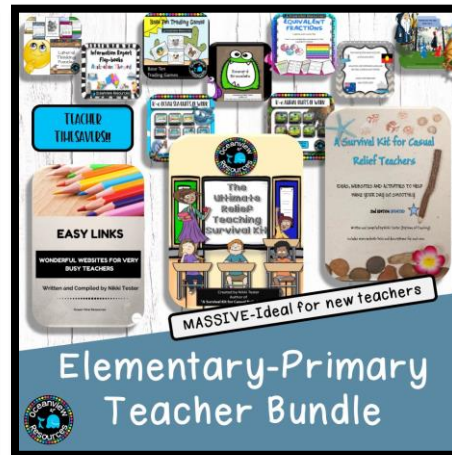
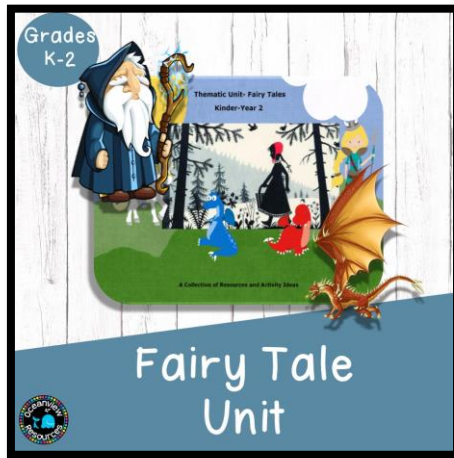
3. A chair or a table



Sample cards



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