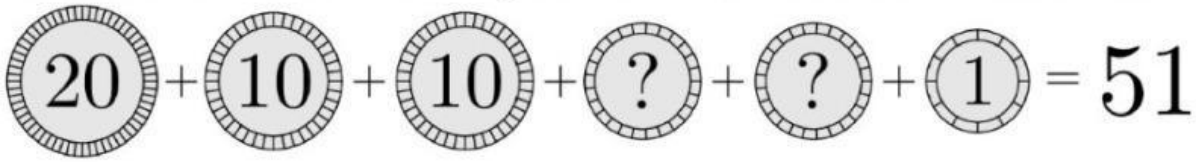
Math Kangaroo grade 3

1-1

3

The two markers with a question mark have the same value.



Which value do you have to use instead of the question mark so that the calculation is correct?

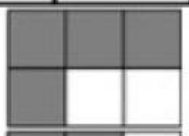
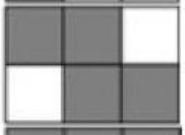
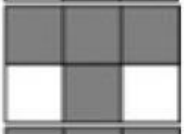
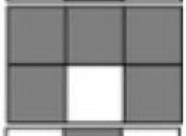
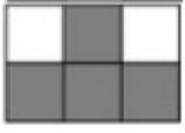
1. 1
2. 2
3. 5
4. 10
5. 20

-2

3

John paints the squares of the board next to it if the result of the calculation inside them is 24. How did the painting of the board look?

$28-4$	4×6	$18+6$
$19+6$	8×3	$29-6$

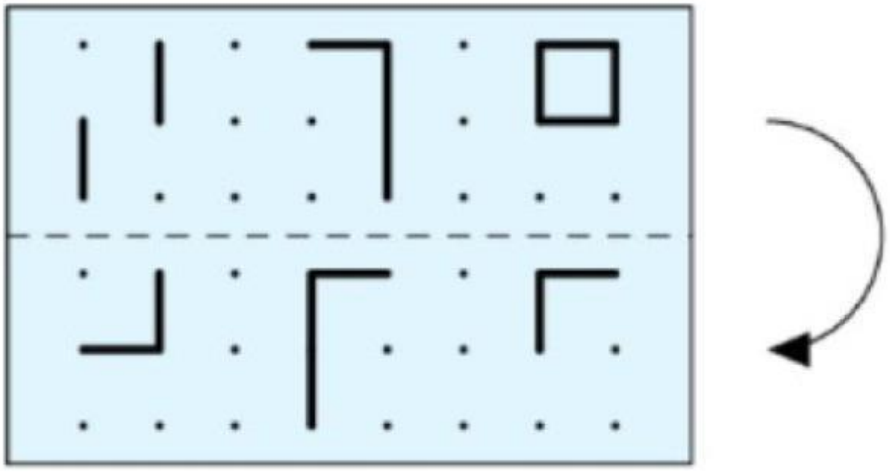
1. 
2. 
3. 
4. 
5. 

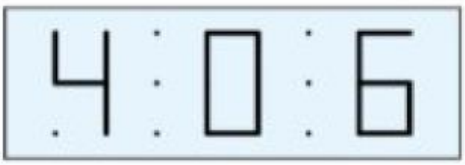
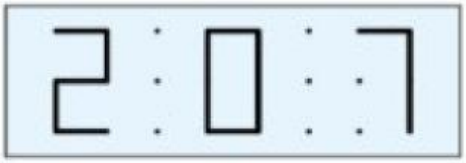
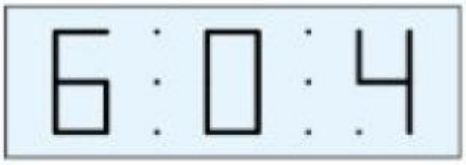
1-3

3

LIVEWORKSHEETS

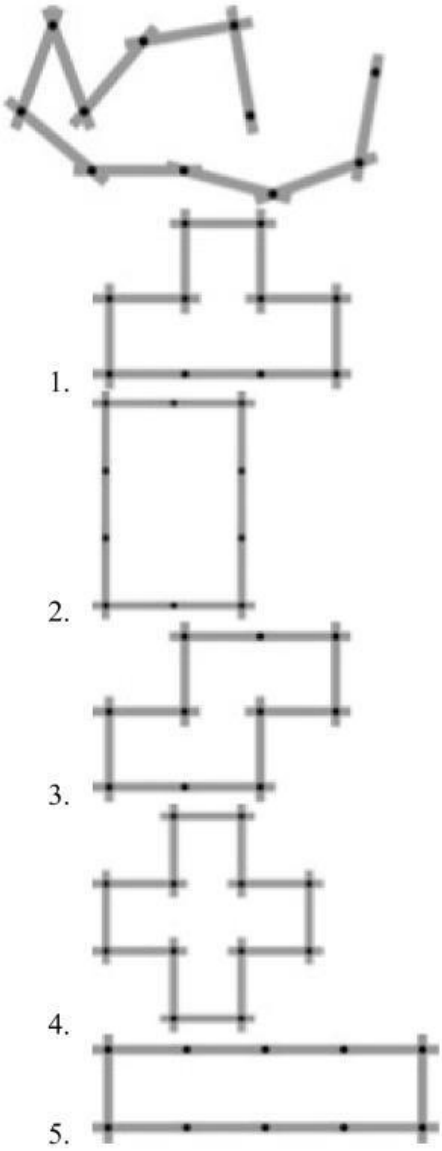
Christoph folds a see-through piece of foil along the dashed line. What can he then see?



1. 
2. 
3. 
4. 
5. 

1-4
3
Using the connected sticks shown, Pia forms different shapes. Which shape can she not make?

LIVEWORKSHEETS

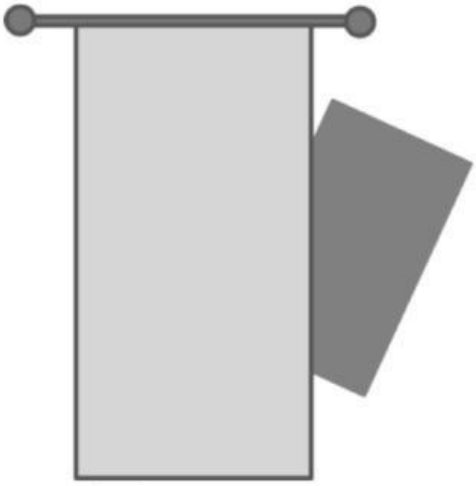


1-5

3

Part of a rectangle is hidden by a curtain. The hidden part is a

LIVEWORKSHEETS



1. triangle
2. square
3. hexagon
4. circle
5. rectangle

2-1

4

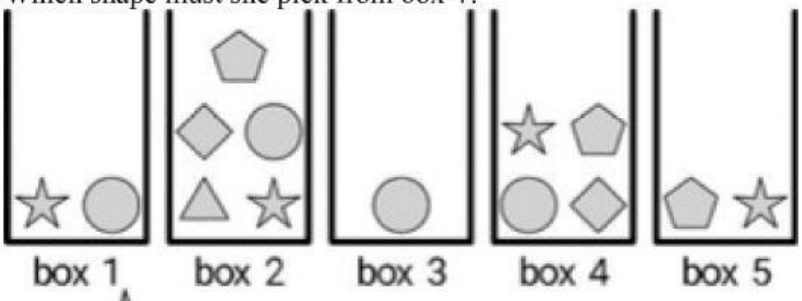
In a classroom the children sit in rows.
In each row there are the same amount of children.
In Robert's row there are 2 children to the left of him and 3 children to the right of him. In front of Robert there are 2 rows, behind him just one.
How many children in total are in this class?

1. 8
2. 15
3. 18
4. 20
5. 24

2-2

4

Sofie wants to pick 5 different shapes from the boxes. She can only pick 1 shape from each box.
Which shape must she pick from box 4?



1. 
2. 

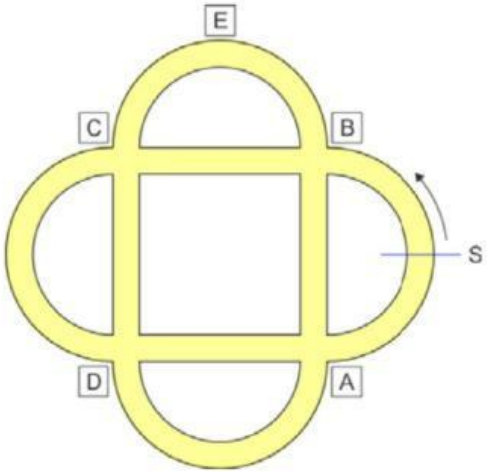
LIVEWORKSHEETS

3. 
4. 
5. 

2-3

4

Peter rides his bike along a cycle path in a park. He starts at point S and rides in the direction of the arrow. At the first crossing he turns right, then at the next left, and then again to the right and then again to left. Which crossing does he not reach?



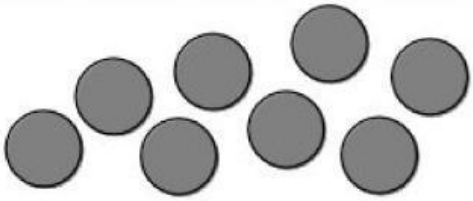
1. A
2. B
3. C
4. D
5. E

2-4

4

Hannes has a game board with 11 spaces. He places one coin each on eight spaces that lie next to each other. He can choose on which space to place his first coin. No matter where Hannes starts some spaces will definitely be filled. How many spaces will definitely be filled?





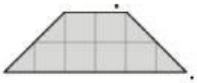
1. 1
2. 2
3. 4
4. 5

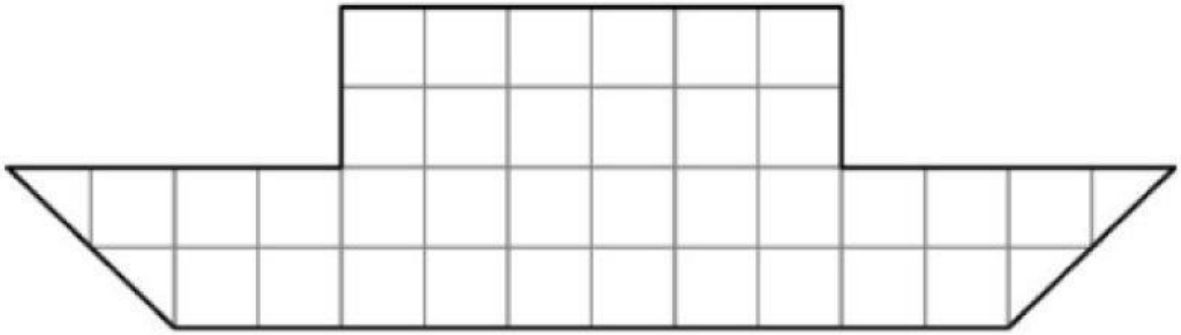
LIVEWORKSHEETS

5. 6

2-5

4

Tom wants to completely cover his paper boat using the shapes  and . What is the smallest number of shapes he needs for that?

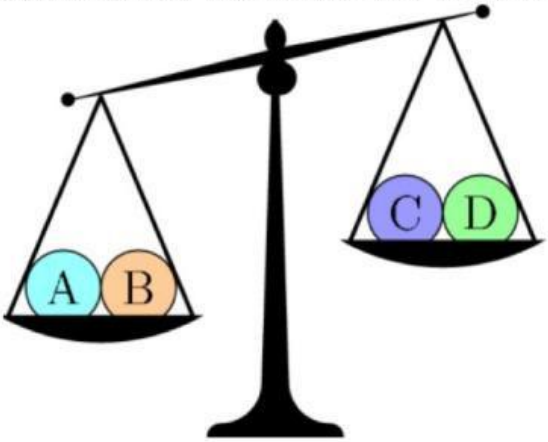


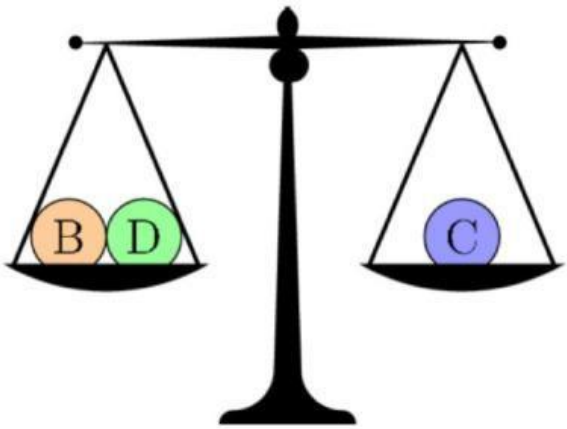
1. 5
2. 6
3. 7
4. 8
5. 9

3-1

5

Each of the four balls weighs either 10 or 20 or 30 or 40 grams. Which ball weighs 30 grams?





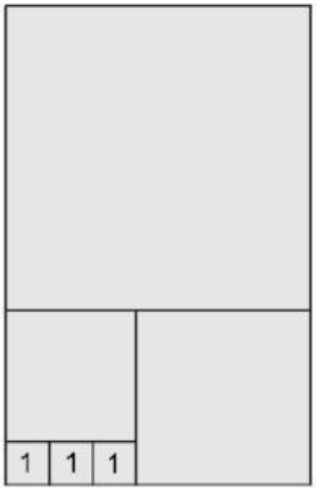
1. A
2. B
3. C
4. D
5. It can be A or B

3-2

5

The big rectangle consists of various squares of different sizes. Each of the three smallest squares has area 1. How big is the area of the big rectangle?

LIVEWORKSHEETS

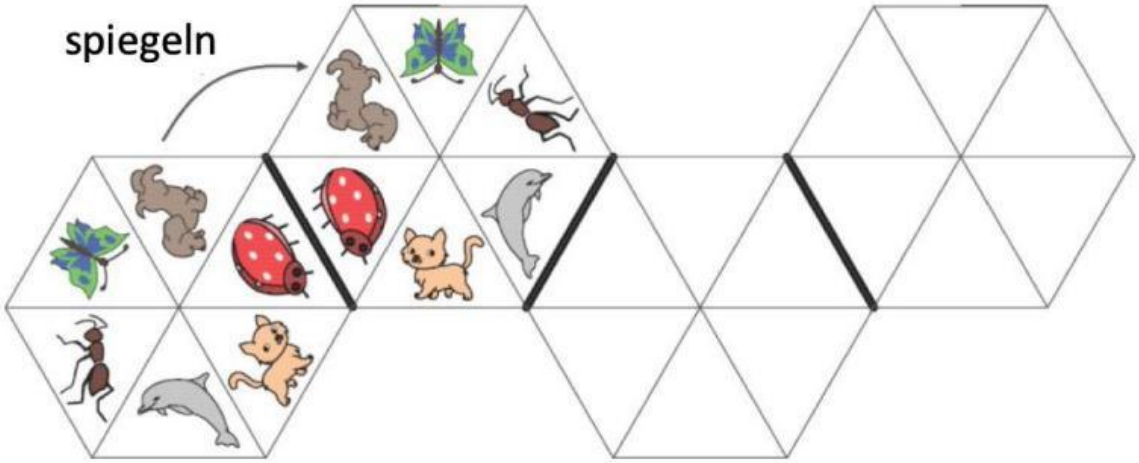


1. 65
2. 71
3. 77
4. 87
5. 98

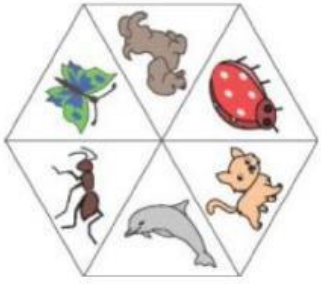
3-3

5

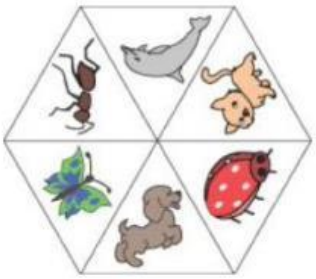
A decorated glass tile is mirrored several times along the boldly printed edge. The first mirror image is shown.

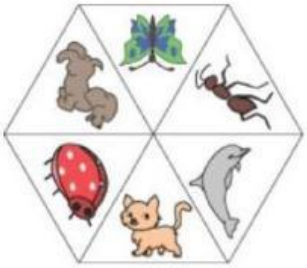


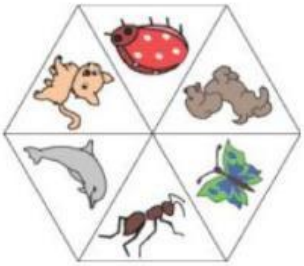
What does the tile on the far right look like after the third reflection?

1. 

LIVEWORKSHEETS

2. 

3. 

4. 

5. 

3-4

5

Lisa's dogs have 18 more legs than noses. How many dogs does Lisa have?

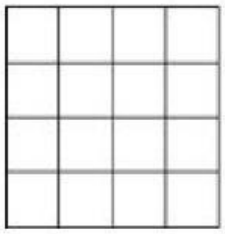
1. 4
2. 5
3. 6
4. 8
5. 9

3-5

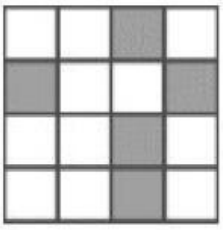
5

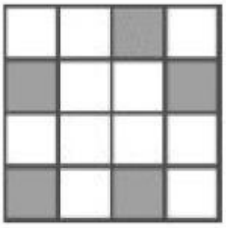
Maria colours exactly 5 cells of this grid in grey:

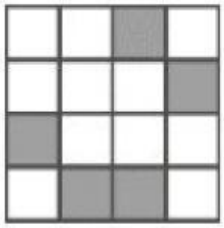
LIVEWORKSHEETS

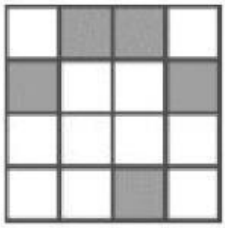


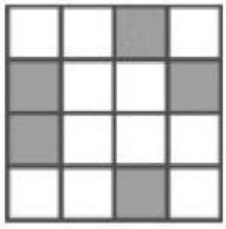
Then she has her 5 friends guess which cells she has coloured in and their answers are the five patterns A, B, C, D and E. Maria looks at the patterns and says: "One of you is right. The others have each guessed exactly four cells correctly." Which pattern did Maria paint?

1. 

2. 

3. 

4. 

5. 

LIVEWORKSHEETS