

Name:



Patterns:

What's the order?

Answers

Additional Tasks



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## Quiz 1



$2 + 4 =$ 6	$3 + 6 =$ 9	$8 + 2 =$ 10	$7 + 1 =$ 8	$4 + 5 =$ 9
$9 + 3 =$ 12	$5 + 2 =$ 7	$8 + 3 =$ 11	$5 + 0 =$ 5	$1 + 6 =$ 7
$2 + 6 =$ 8	$4 + 7 =$ 11	$5 + 8 =$ 13	$6 + 2 =$ 8	$7 + 3 =$ 10
$10 + 3 =$ 13	$2 + 2 =$ 4	$3 + 4 =$ 7	$6 + 9 =$ 15	$4 + 8 =$ 12
$5 + 3 =$ 8	$8 + 5 =$ 13	$3 + 8 =$ 11	$8 + 0 =$ 8	$9 + 7 =$ 16

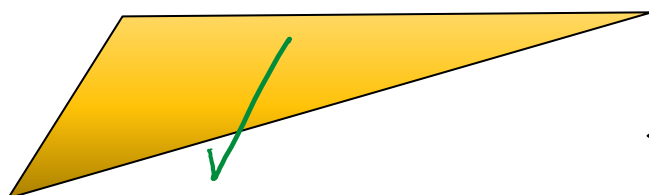
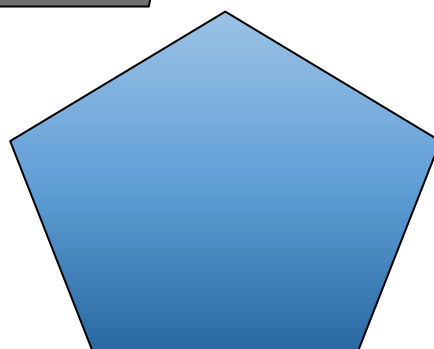
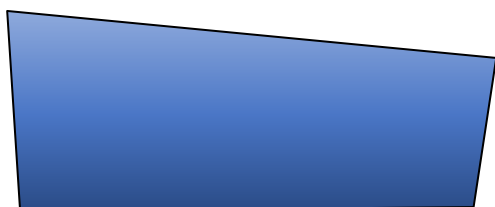
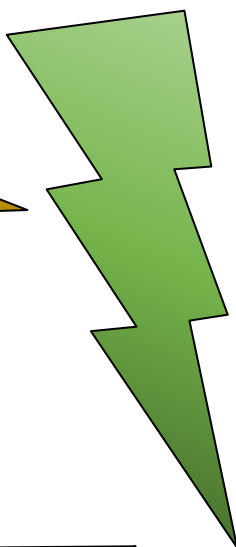
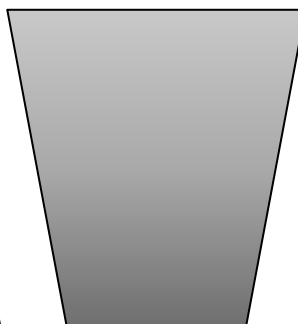
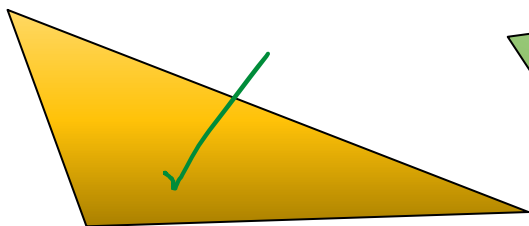
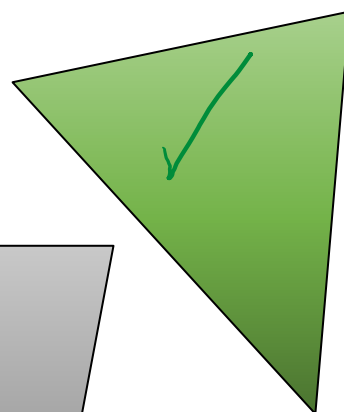
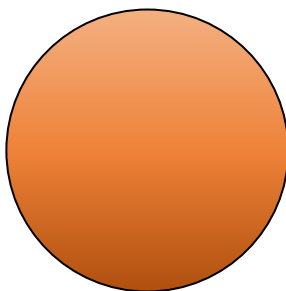
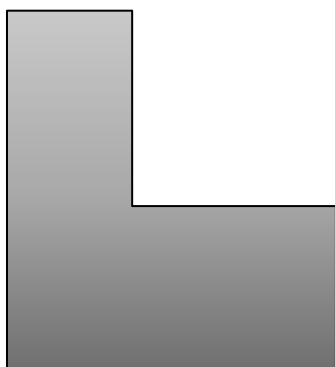
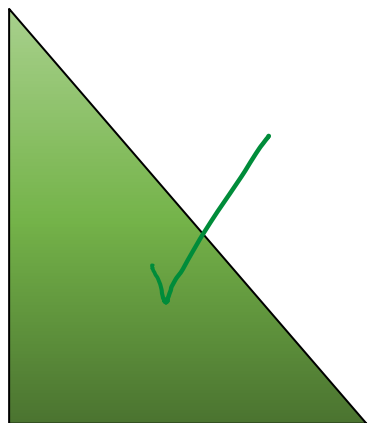
\_\_\_ out of 25



## Example 1



Tick every triangle below.

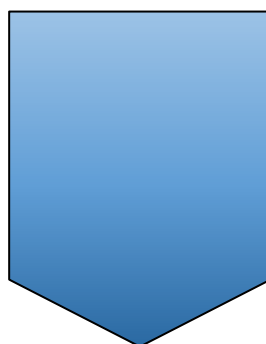
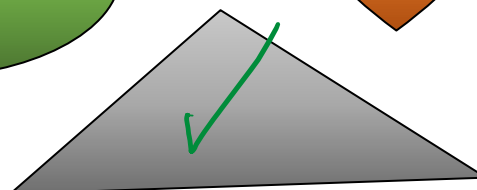
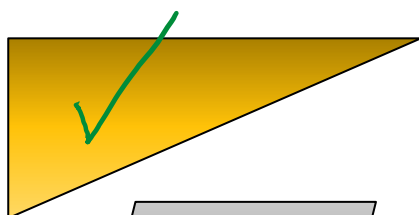
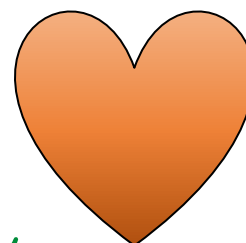
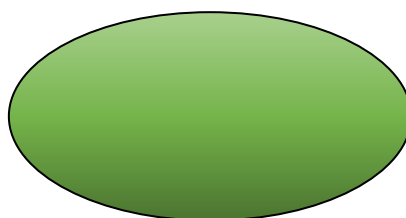
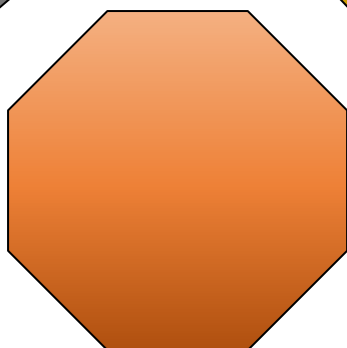
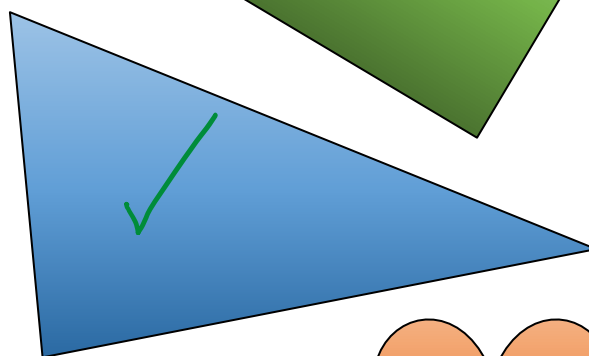
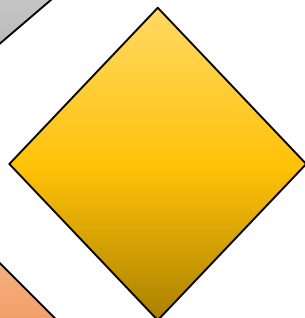
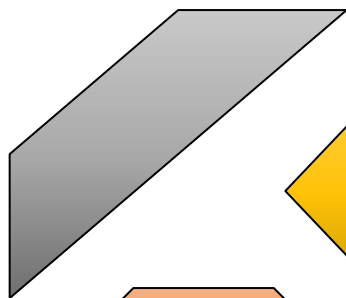
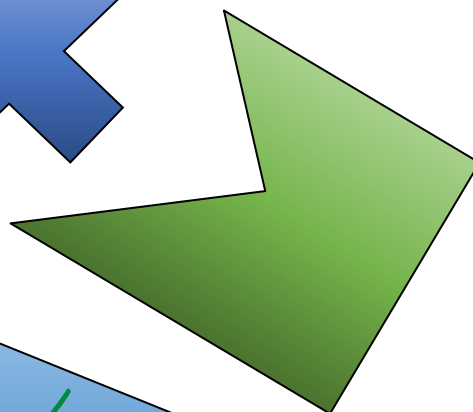
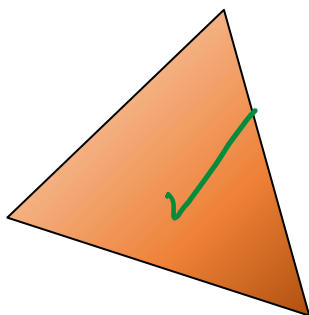
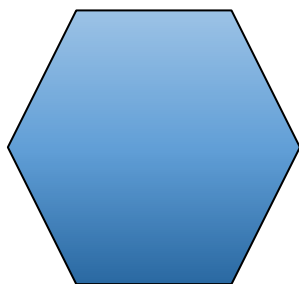




## Exercise 1



Tick every triangle below.



\_\_\_ out of 4



## Quiz 2



1) Is 27 an odd number or an even number?

27 is an odd number

2) How much money is here?



90p

3) Which month comes after March?

April

4)  $9 + 7 =$

16

5) Which number comes next?

5, 7, 9, 11, 13

6) Write the number 76 in words.

Seventy-Six

7)  $13 - 4 =$

9

8) What is the name of this shape?



Rectangle

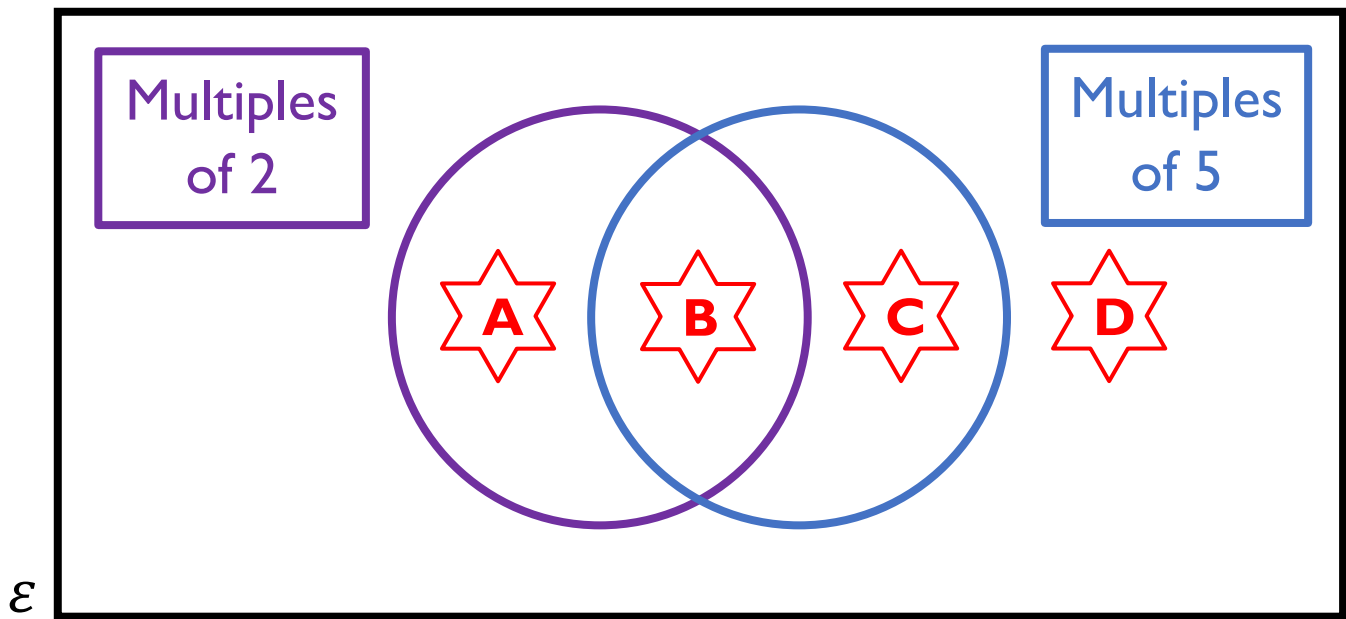
9)  $3 \times 5 =$

15

— out of 9



## Venn Diagram Challenge 1



Think of a number that could go into each region.  
If you think a region is impossible to fill, explain why!



2 (or 4, 6, 8, 12, 14, ...)



10 (or 20, 30, 40, ...)



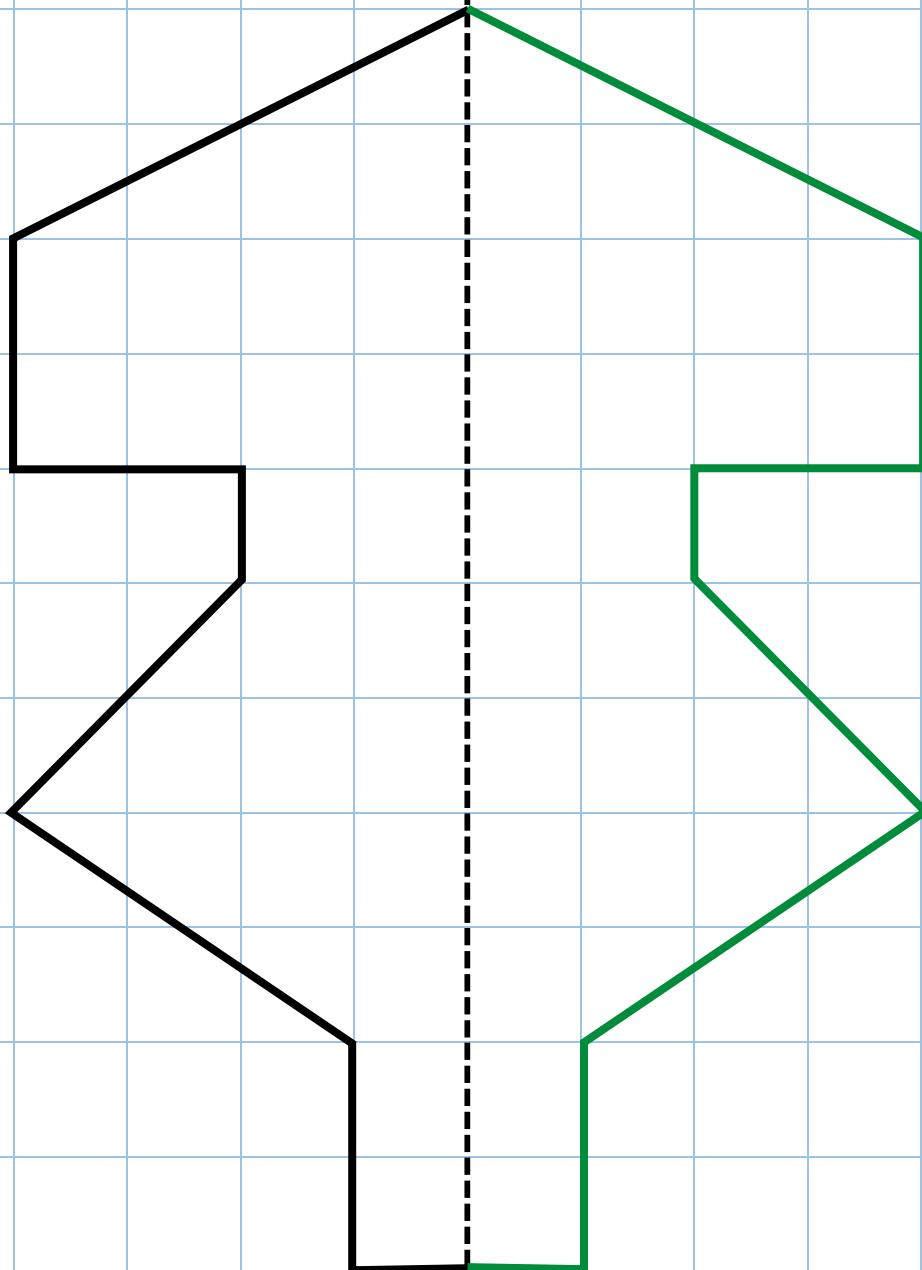
5 (or 15, 25, 35, ...)



1 (or 3, 7, 9, 11, ...)

**Example 2**

Reflect the shape in the mirror line.



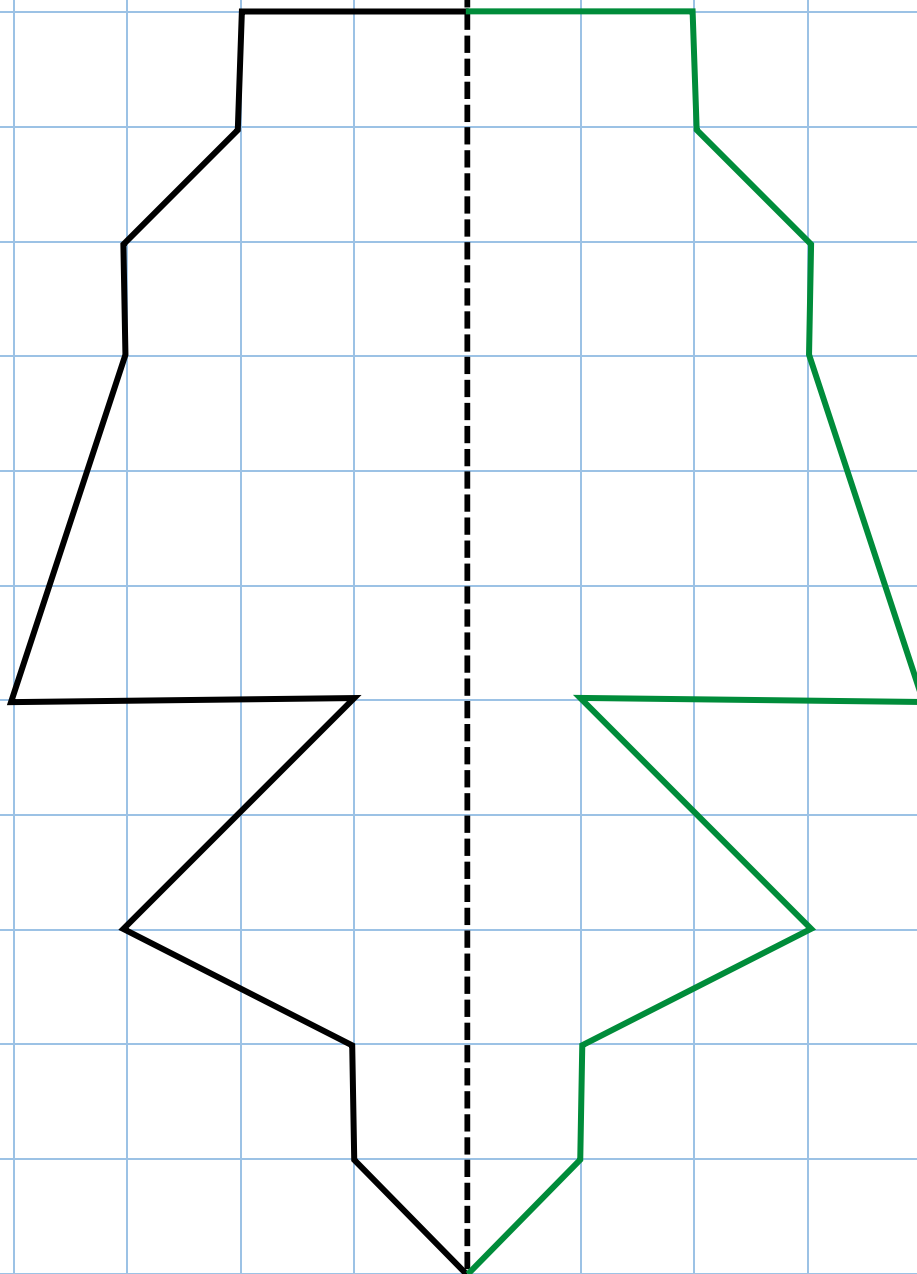




## Exercise 2



Reflect the shape in the mirror line.



— out of 2

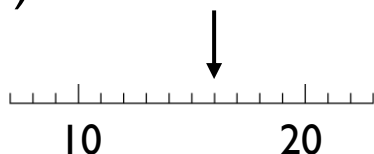


## Quiz 3



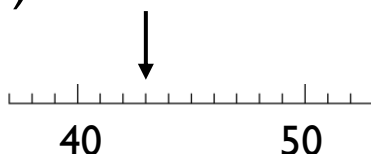
At which number is the arrow pointing towards?

1)



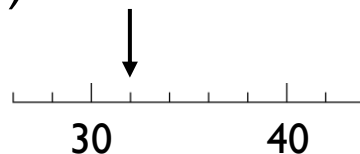
16

2)



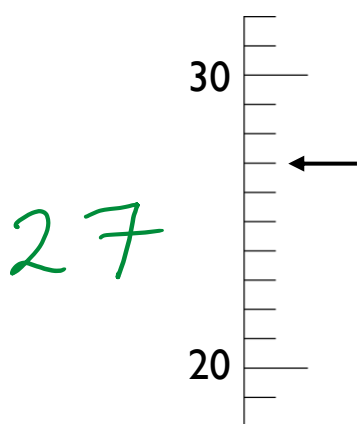
43

3)



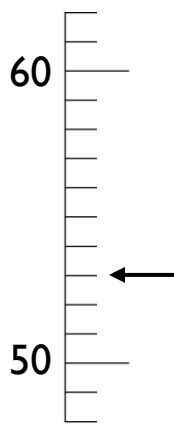
32

4)



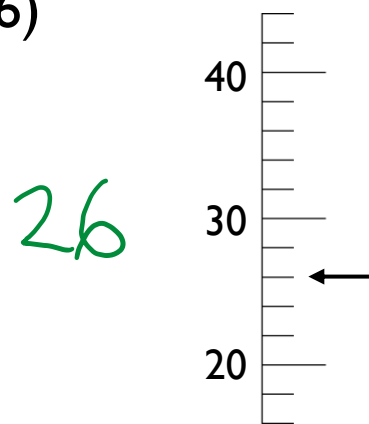
27

5)



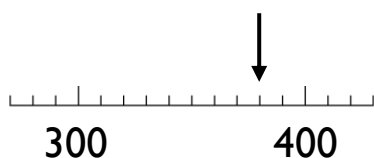
53

6)



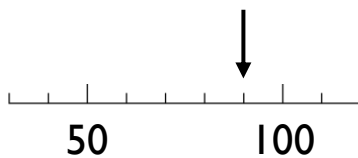
26

7)



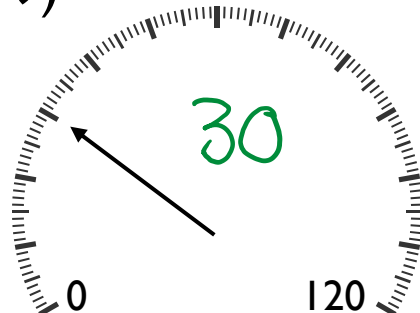
380

8)



90

9)



30

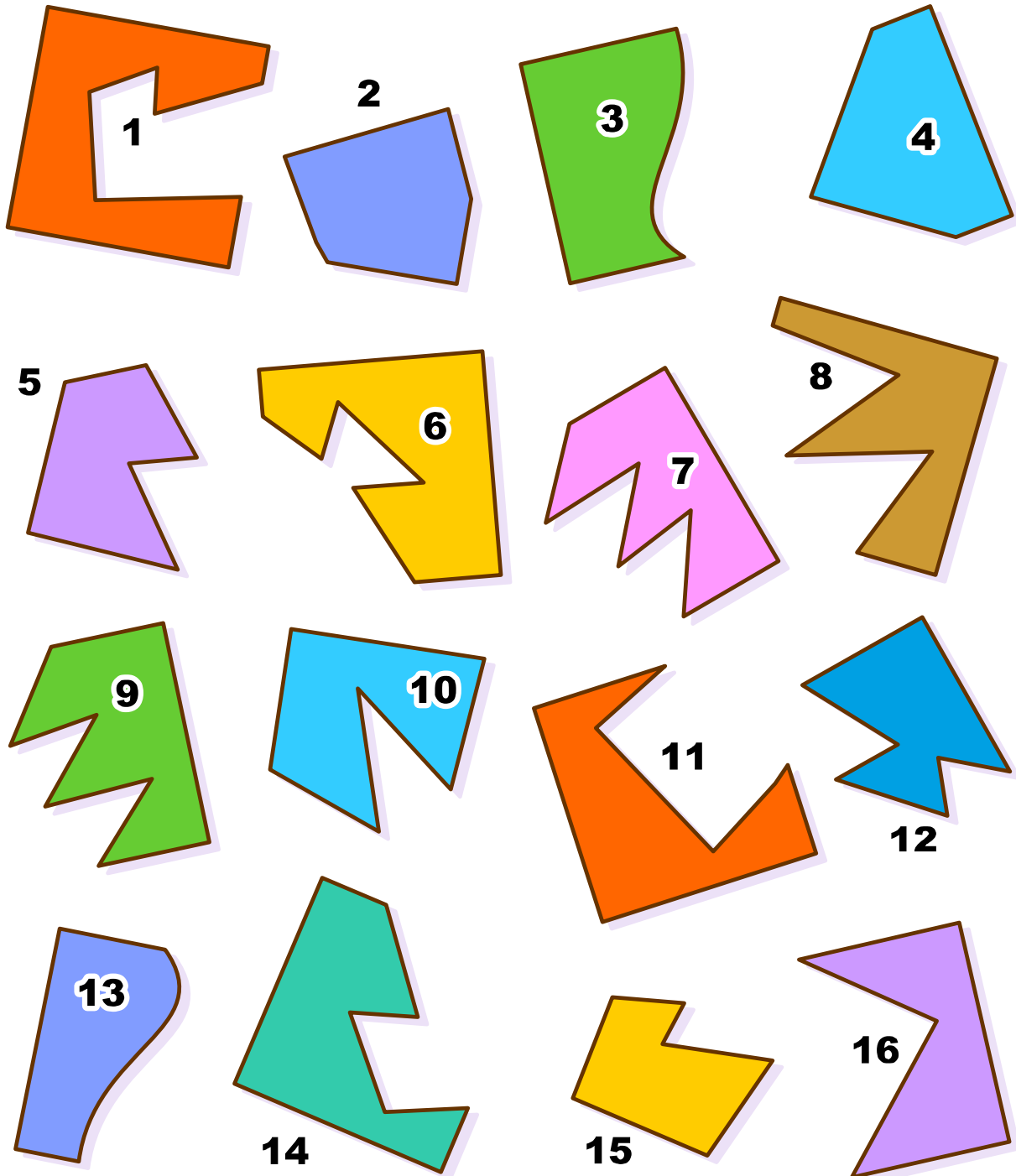
\_\_\_ out of 9



## Pairing the Shapes



Pair the shapes to make eight squares.



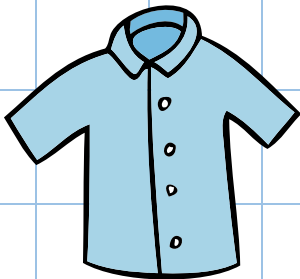
1-15, 2-11, 3-13, 4-16, 5-14, 6-12, 7-9, 8-10



### Example 3



Find an estimate for the total bill.



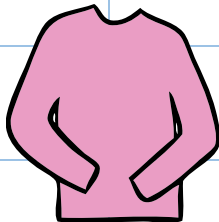
£19.99

$\approx$  £ 20



£8.99

$\approx$  £ 9



£12.99

$\approx$  £ 13



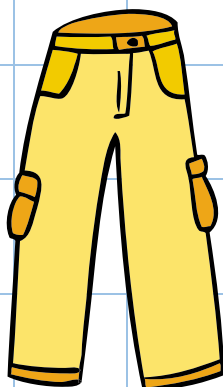
£14.99

$\approx$  £ 15

£ 57  
1

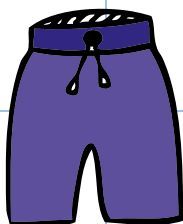
## Exercise 3

Find an estimate for the total bill.



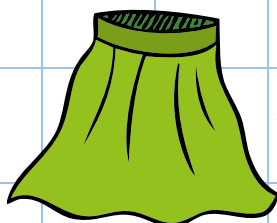
£24.99

≈ £ 25



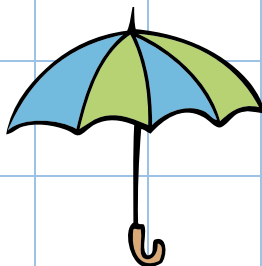
£11.99

≈ £ 12



£17.99

≈ £ 18



£6.99

≈ £ 7

£ 62  
2

— out of 3



## Quiz 4



1) Is 36 an odd number or an even number?

36 is an even number

2) How much money is here?



60p

3) Which month comes after August?

September

4)  $8 + 4 =$

12

5) Which number comes next?

14, 11, 8, 5, 2

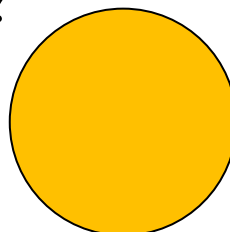
6) Write the number 47 in words.

Forty-Seven

7)  $15 - 3 =$

12

8) What is the name of this shape?



Circle

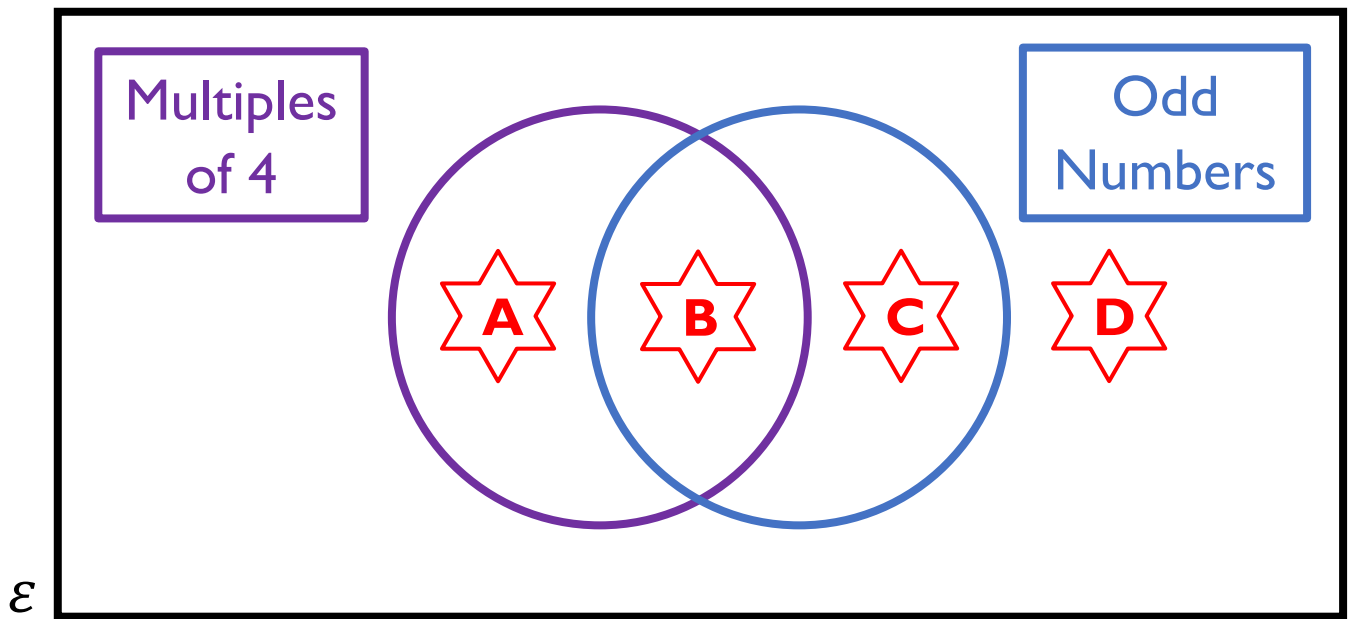
9)  $7 \times 2 =$

14

— out of 9



## Venn Diagram Challenge 2



Think of a number that could go into each region.  
If you think a region is impossible to fill, explain why!



4

(or 8, 12, 16, 20, ...)

Impossible: All multiples of 4  
are even numbers

1

(or 3, 5, 7, 9, ...)

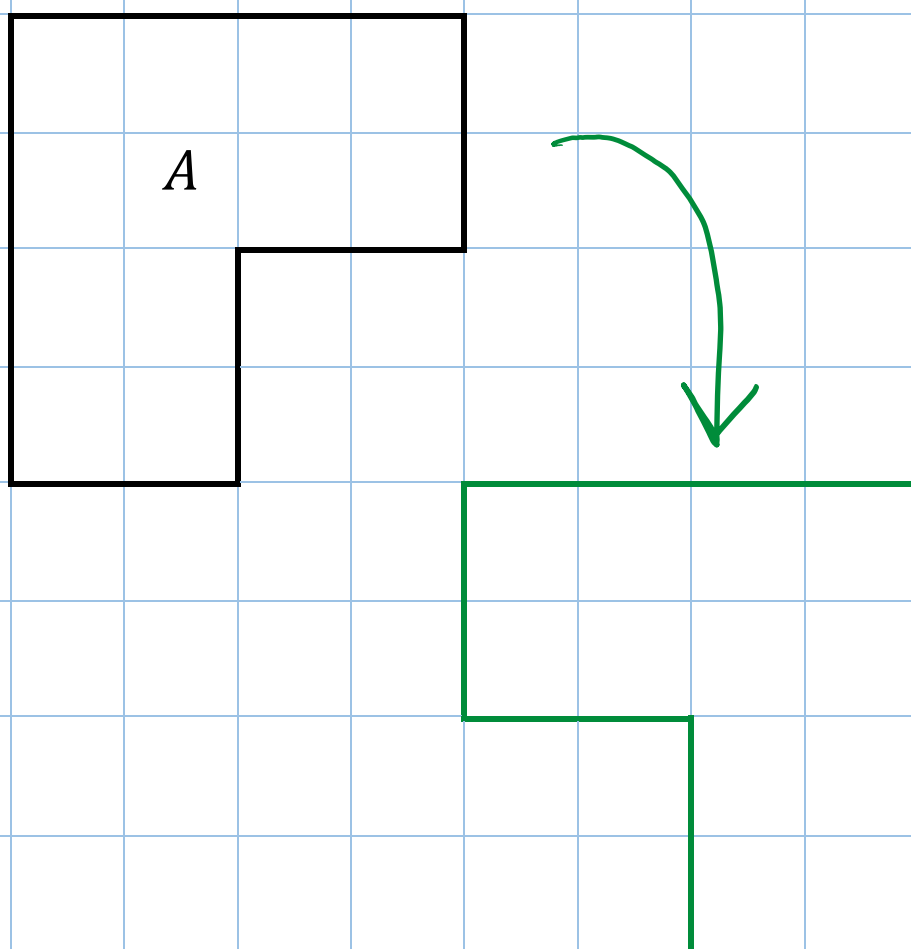


2

(or 6, 10, 14, 18, ...)

**Example 4**

Rotate the hexagon *A* clockwise through a  $\frac{1}{4}$  turn.



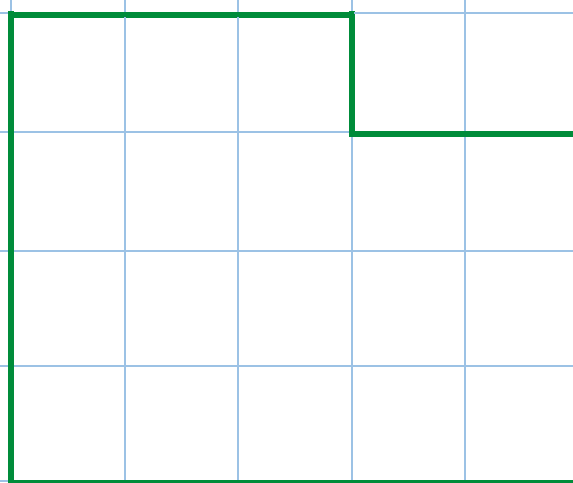
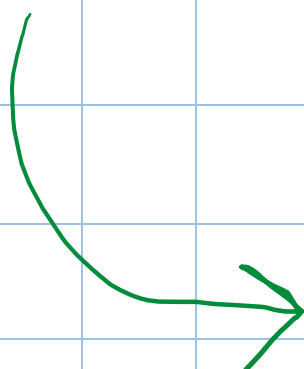
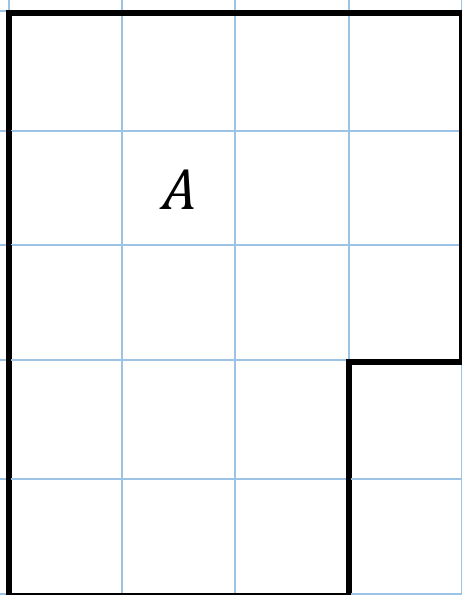




## Exercise 4



Rotate the hexagon  $A$  anti-clockwise through a  $\frac{1}{4}$  turn.



— out of 2



## Quiz 5



$3 \times 2 =$ 6	$6 \times 4 =$ 24	$4 \times 3 =$ 12	$10 \times 5 =$ 50	$3 \times 10 =$ 30
$3 \times 5 =$ 15	$3 \times 3 =$ 9	$7 \times 10 =$ 70	$5 \times 4 =$ 20	$6 \times 2 =$ 12
$3 \times 4 =$ 12	$5 \times 5 =$ 25	$4 \times 2 =$ 8	$5 \times 3 =$ 15	$9 \times 10 =$ 90
$2 \times 10 =$ 20	$7 \times 2 =$ 14	$4 \times 5 =$ 20	$9 \times 3 =$ 27	$8 \times 4 =$ 32
$5 \times 2 =$ 10	$1 \times 5 =$ 5	$2 \times 3 =$ 6	$8 \times 10 =$ 80	$10 \times 4 =$ 40

\_\_\_ out of 25



# Adding 4 or 6



**+4**

10	27	23	19	7	5	1			
12	25	21	17	13	9	3	8	6	2
30	29	31	35	15	11	4	61	65	69
39	33	37	41	45	49	53	57	43	73
14	26	32	28	34	82	59	55	47	77
72	52	46	40	38	42	83	89	85	81
50	54	58	51	79	60	94	93	98	84
56	66	62	78	80	88	96	97		



54	40	36	21	11	7	1			
42	44	29	17	19	13	5	35	59	66
48	38	33	31	25	27	34	15	77	81
51	46	41	37	23	84	86	102	99	93
70	52	49	43	45	91	97	103	108	112
53	50	55	56	64	85	88	109	116	90
60	76	61	67	73	79	96	115	119	98
80	72	68	78	82	94	118	121		

**+6**



## Evaluating the Workbook



## Notes