Think Academy

Year 2 Maths Activities

Think Academy Home Learning Study Pack

Practice Questions and Answers

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Mental Maths

14+21

Mark only one oval.

- 29
- 35
- 40
- 41

35+18

Mark only one oval.

- 48
- 50
- 53
- 57

27-5

Mark only one oval.

- 21
- 18
- 22
- 24

42+28

Mark only one oval.

- 70
- 62
- 80
- 88

59+26

Mark only one oval.

- 75
- 80
- 68
- 85

45-23

Mark only one oval.

- 23
- 32
- 30
- 22

10x2

Mark only one oval.

- 12
- 20
- 22
- 14

59-13

Mark only one oval.

- 49
- 57
- 46
- 53

5x4

Mark only one oval.

- 10
- 9
- 16
- 20

2x8

Mark only one oval.

- 10
- 22
- 16
- 12

15+25 *

Mark only one oval.

- 29
- 35
- 40
- 45

55-14 *

Mark only one oval.

- 44
- 41
- 40
- 39

43+29 *

Mark only one oval.

- 72
- 75
- 80
- 82

37-16 *

Mark only one oval.

- 25
- 22
- 21
- 18

10÷2

Mark only one oval.

- 12
- 5
- 2
- 20

15÷3

Mark only one oval.

- 5
- 10
- 6
- 9

8÷2

Mark only one oval.

- 2
- 6
- 8
- 4

10x3 *

Mark only one oval.

- 20
- 23
- 30
- 33

. 5x5 *

Mark only one oval.

- 23
- 25
- 30
- 55

. 2x9

Mark only one oval.

- 10
- 16
- 17
- 18

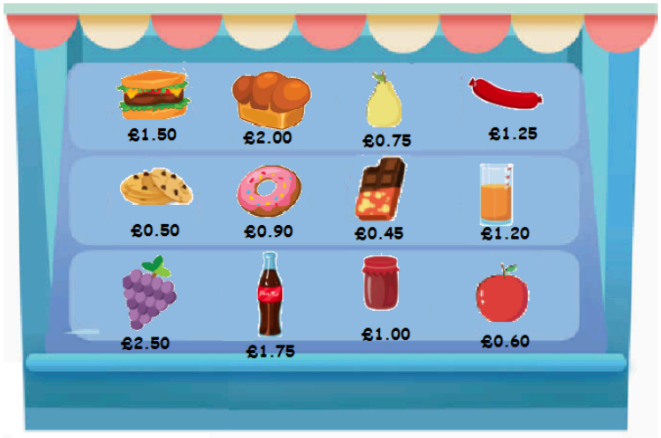
Money Problems

Pip empties out his piggy bank and counts the coins in it. How much money does Pip have?

Mark only one oval.

- ◯ £6.37
- ◯ £6.27
- ◯ £62.70
- ◯ £6.29

Pip goes to the shop to buy some food. The picture shows how much each item costs. How much does it cost if he buys a sandwich, a donut, and an apple?



Mark only one oval.

- ◯ £2.00
- ◯ £2.10
- ◯ £3.00
- ◯ £3.10

Bud goes to the same shop and buys a chocolate bar, a bottle of cola, and a pear. How much did Bud spend?

Mark only one oval.

- ◯ £2.95
- ◯ £2.85
- ◯ £2.75
- ◯ £2.65

When they leave the shop Pip has two £1 coins, one twenty pence, three ten pence and 4 one pence coins left. Bud has three fifty pence, four twenty pence, one ten pence and three two pence coins left. Who has more money left?

Mark only one oval.

- ◯ Pip
- ◯ Bud

A toy shop sells the items in the picture. If Bud has a £10 note, how much change would she have if she bought the ball?

Mark only one oval.

- ◯ £6
- ◯ £3
- ◯ £5
- ◯ £4

Pip has a £20 note and buys the toy car and the cup. How much change is Pip given?

Mark only one oval.

- ◯ £6
- ◯ £7
- ◯ £8
- ◯ £9

If Pip adds his £20 note to Bud's £10 note do the two of them have enough money to buy every toy in the shop?

Mark only one oval.

- ◯ Yes
- ◯ No

Pip is trying to work out how much money he has. He knows he has 689p. How much does he have in pounds?

Mark only one oval.

- ◯ £689
- ◯ £68.90
- ◯ £6.89
- ◯ £6.98

Look at the coins in the picture. Which 4 coins would you need to make 37p, if you can only use each coin once?

Mark only one oval.

- ◯ 20p, 10p, 2p, 1p
- ◯ 20p, 10p, 5p, 2p
- ◯ 20p, 10p, 5p, 1p
- ◯ 20p, 5p, 2p, 1p

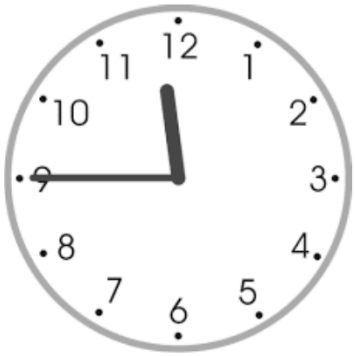
Which 5 coins would you need to make £1.73, only using each coin once?

Mark only one oval.

- ◯ £2, 50p, 20p, 2p, 1p
- ◯ £1, 20p, 10p, 5p, 2p
- ◯ £1, 50p, 20p, 5p, 1p
- ◯ £1, 50p, 20p, 2p, 1p

Time

What time is the clock showing?



Mark only one oval.

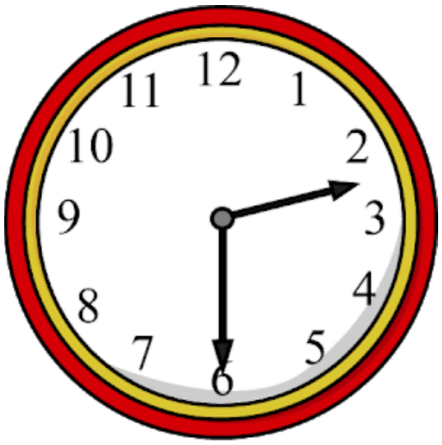
- 12:09
- 12:40
- 12:45
- 11:50
- 11:45

What time is the clock showing?

Mark only one oval.

- 1:1
- 1:01
- 1:05
- 1:06

What time is the clock showing?



Mark only one oval.

- 2:30
- 3:30
- 3:06
- 2:06
- 23:6

Oliver is eating pizza. Oliver started eating his pizza at 5:00 and he took 9 minutes to finish his pizza. What time did he finish his pizza?

Mark only one oval.

- 5:90
- 5:09
- 5:19
- 6:00

Maggie was baking cookies. At 12:00 she took the cookies out of the oven. If the cookies needed 20 minutes to bake, at what time did Maggie put the cookies in the oven?

Mark only one oval.

- 12:20
- 12:02
- 11:20
- 11:40
- 11:02

If Linda starts watching her movie at 3:00 and the movie is 2 hours long, what time does Linda finish watching her movie?

Mark only one oval.

- 3:02
- 3:20
- 5:20
- 5:00

Ari is shopping. If Ari spends half an hour (30 mins) in one shop, how long does it take for Ari to visit 5 shops?

Mark only one oval.

- ◯ 50 minutes
- ◯ 5 hours
- ◯ 2 hours and 30 minutes
- ◯ 2 hours and 50 minutes

Helen is eating ice cream. It takes Helen 7 minutes to finish 1 ice cream. How long does it take in total for Helen to finish 3 ice creams?

Mark only one oval.

- ◯ 7 minutes
- ◯ 7 hours
- ◯ 3 hours
- ◯ 14 minutes
- ◯ 21 minutes

Lucy is singing a song. If it takes Lucy 3 minutes to sing a song. How much time does it take for her to sing 4 songs?

Mark only one oval.

- ◯ 4 minutes
- ◯ 12 minutes
- ◯ 20 minutes
- ◯ 2 hours

Look at the previous questions in this section. Who will take the shortest time to finish all their activities?

Mark only one oval.

- ◯ Helen
- ◯ Ari
- ◯ Lucy

What time is this clock showing?

Tick all that apply.

- [ ] 3:00
- [ ] 12:00
- [ ] 1:30
- [ ] 4:00
- [ ] 3:30

What about this clock?

Mark only one oval.

- ◯ 5:37
- ◯ 5:25
- ◯ 7:25
- ◯ 7:35

And finally, this clock?

Mark only one oval.

- ◯ 2:15
- ◯ 2:45
- ◯ 3:15
- ◯ 9:15

Lucy is eating chocolate cake. It takes her 5 minutes to finish one slice, how long does it take her to eat 3 slices?

Mark only one oval.

- ◯ 7 minutes
- ◯ 8 minutes
- ◯ 20 minutes
- ◯ 15 minutes

Helen is taking the train to school. It takes her 11 minutes on the way there, and the same on the way home. How long does Helen spend on the train each day?

Mark only one oval.

- ◯ 11 minutes
- ◯ 21 minutes
- ◯ 22 minutes
- ◯ 30 minutes

Ari has a 40 minute lunch break, she spends 10 minutes eating a sandwich, and 20 minutes going for a walk, how much time does she have left of her break?

Mark only one oval.

- 20 minutes
- 10 minutes
- 40 minutes
- 5 minutes

Ahmed is going to visit his friend. He leaves his house at 6:05 and he walks for 25 minutes to get there. What time does he arrive at his friends house?

Mark only one oval.

- 6:30
- 6:40
- 4:50
- 5:10
- 7:15
- 7:00
- 6:25

Linda is waiting for the bus. It was supposed to arrive at 7:15 but it is running 9 minutes late. What time is Linda's bus going to arrive?

Mark only one oval.

- ◯ 7:15
- ◯ 8:09
- ◯ 9:17
- ◯ 8:24
- ◯ 7:24

Oli is doing his shopping. He enters the shop at 6:00 and spends 40 minutes in the shop. What time does he leave the shop?

Mark only one oval.

- ◯ 6:04
- ◯ 6:40
- ◯ 5:10
- ◯ 7:06
- ◯ 7:00

Leah is making a pizza. She puts the pizza in the oven at 8:00 and it takes 35 minutes to cook. What time does she need to take it out the oven?

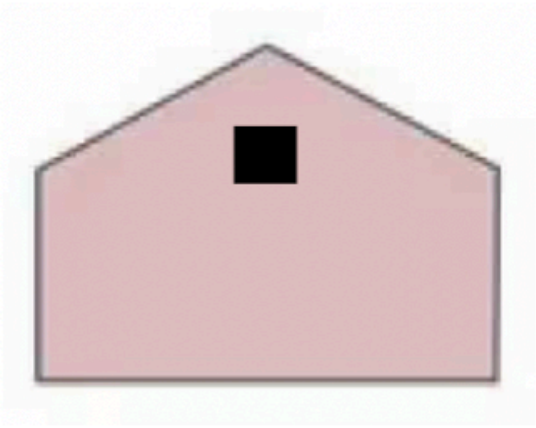
Mark only one oval.

- ◯ 8:05
- ◯ 9:40
- ◯ 8:40
- ◯ 7:10
- ◯ 8:35
- ◯ 8:53
- ◯ 6:35

Observing Objects

The house!

Which view is this image taken from?



Mark only one oval.

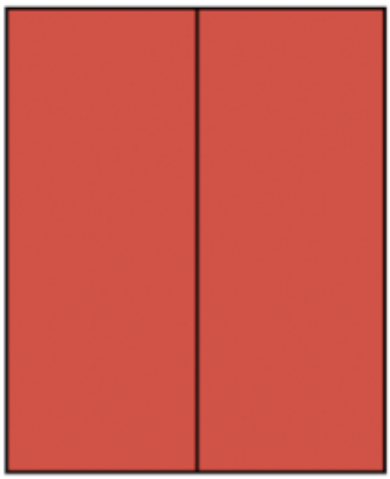
- ◯ The FRONT
- ◯ The RIGHT
- ◯ The TOP

What about this image? What view of the house is this?

Mark only one oval.

- The TOP
- The FRONT
- The RIGHT

And finally, what view of the house is this?



Mark only one oval.

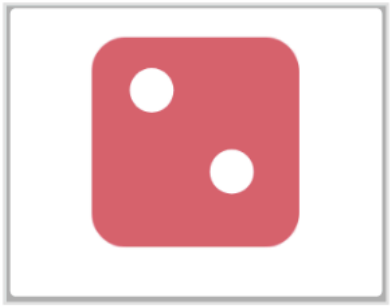
- The TOP
- The RIGHT
- The LEFT

Here are two dice. What would they look like from the TOP? 1 poir

Mark only one oval.

A

B



C

Again, for the same pair of dice. Can you tell what they would look like from the FRONT? 1 point

Mark only one oval.

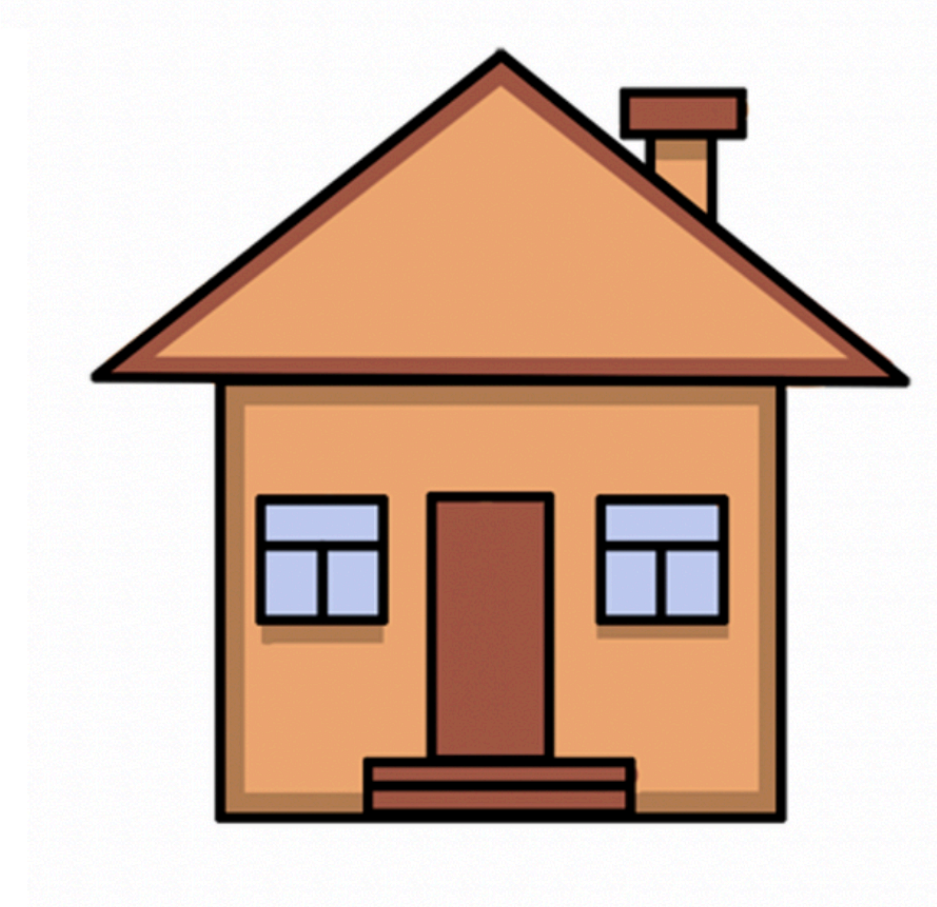
A

B

C

Patterns, Shapes and Sequences

What shapes can you see in this picture? Check all that applies

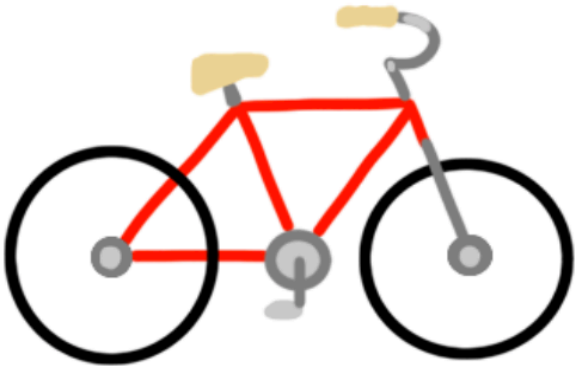


Tick all that apply.

- [ ] rectangle
- [ ] circle
- [ ] square
- [ ] triangle

Other: [ ] _____

What shapes can you see in this picture? Check all that applies



Tick all that apply.

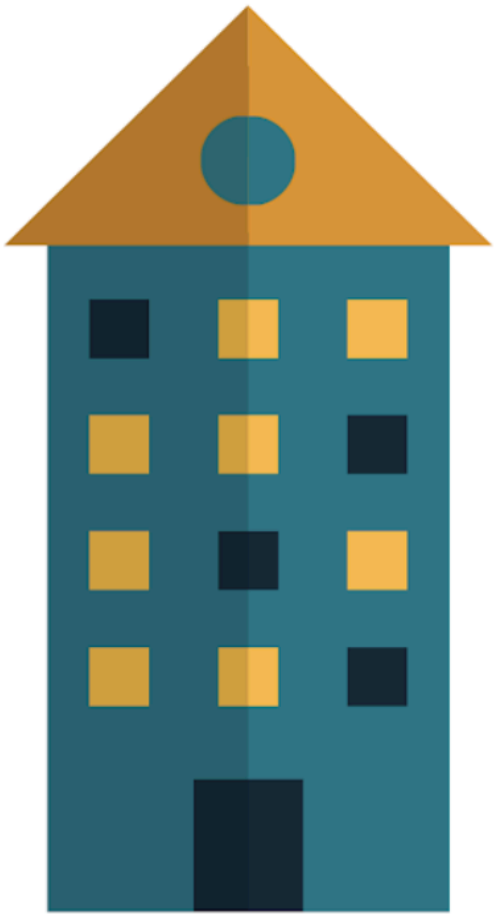
- [ ] rectangle
- [ ] square
- [ ] triangle
- [ ] circle

What shapes can you see in this picture? Check all that applies

Tick all that apply.

- [ ] square
- [ ] rectangle
- [ ] triangle
- [ ] kite

What shapes can you find in this building? (Select all that apply)



Tick all that apply.

- [ ] Triangle
- [ ] Square
- [ ] Rhombus
- [ ] Kite
- [ ] Rectange
- [ ] Oval
- [ ] Circle

How many rectangles can you count in this building? 1 po

Mark only one oval.

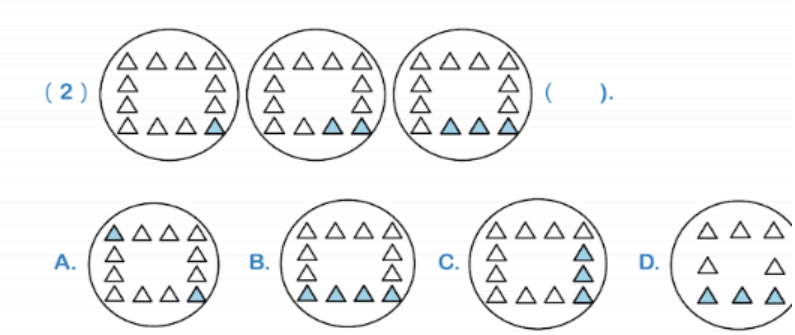
- 4
- 5
- 2
- 6

Given the height and width of this shape. Can you work out the perimeter?

Mark only one oval.

- 30m
- 23m
- 26m
- 33m

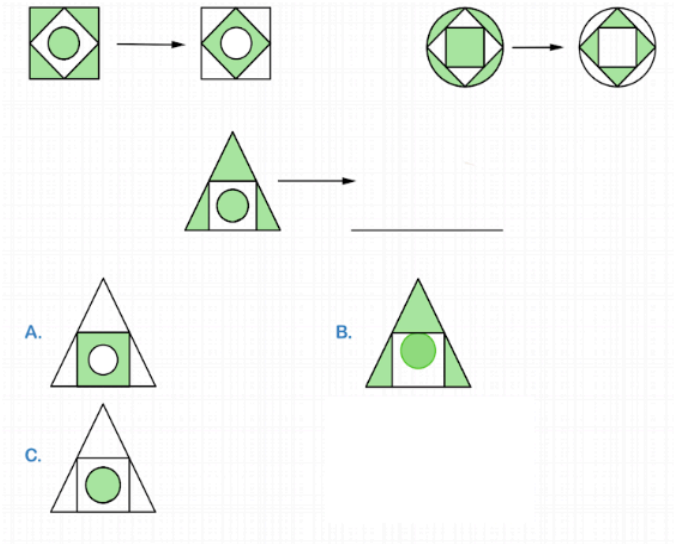
Observe the pattern carefully. Choose the shape that should go in the brackets.



Mark only one oval.

- A
- B
- C
- D

Observe the pattern carefully. Choose the shape that should go in the blank 1 point



Mark only one oval.

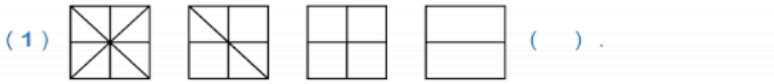
- A
- B
- C

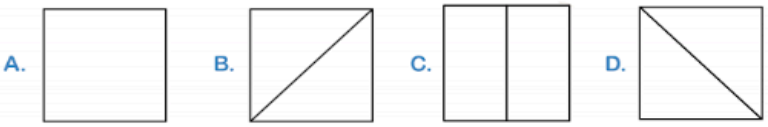
Observe the pattern carefully. Choose the shape that should go in the blank 1

Mark only one oval.

- A
- B
- C
- D

Observe the pattern carefully. Choose the shape that should go in the blank 1





Mark only one oval.

- A
- B
- C
- D

20, 18, 16, __, 12...

3, 1, __, 2, 7, 3, 9, 4...

1, 2, 3, 5, __, 13, 21, 34...

21, 18 ,15 ,12 , ( ), 6

Mark only one oval.

- 10
- 7
- 8
- 9

0, 4, 8, 12, ( ), 20

Mark only one oval.

- 14
- 16
- 10
- 17

20, 1, 18, 1, 16, 1, ( ), 1

Mark only one oval.

- 1
- 10
- 14
- 12

1, 10, 2, 9, 3, 8, ( ), 7

Mark only one oval.

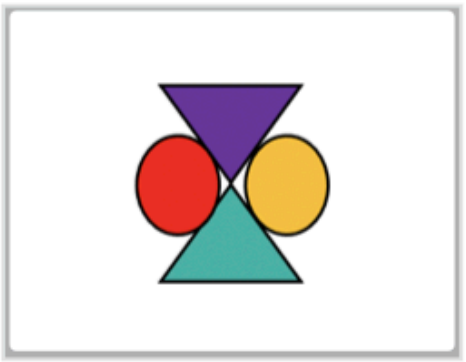
- 6
- 4
- 5
- 1

Carefully observe the pattern below. Can you guess what comes next? 1 p

Mark only one oval.

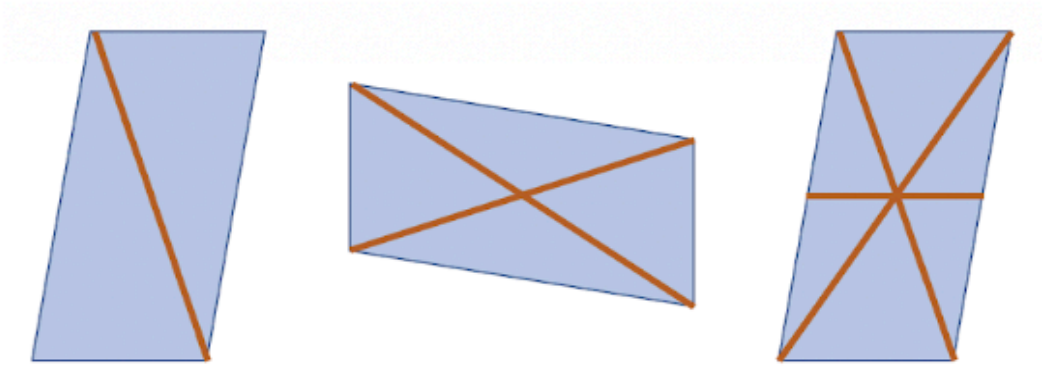
A

B

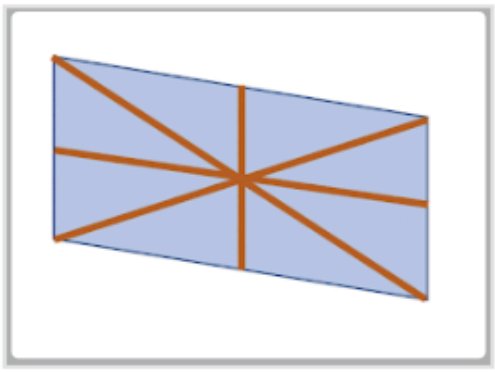


C

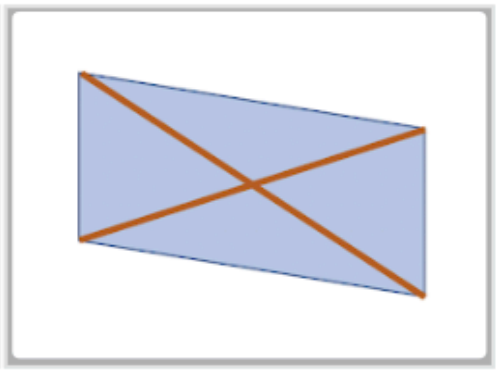
Observe the pattern below. Can you guess what comes next? 1 p



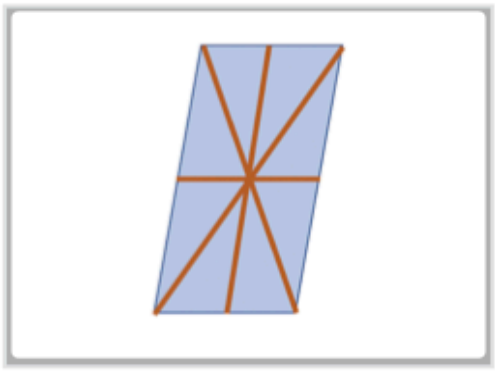
Mark only one oval.



A



B



C

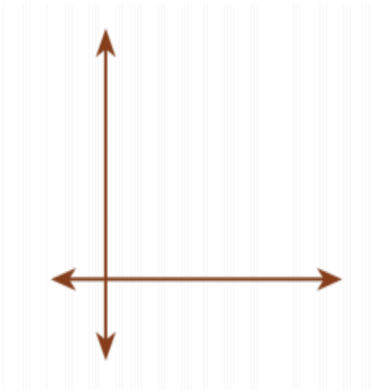
Lines and Angles

Are these two lines parallel or perpendicular?

Mark only one oval.

- ◯ Parallel
- ◯ Perpendicular

Now a slightly harder one... what about these two lines?



Mark only one oval.

- ◯ Parallel
- ◯ Perpendicular
- ◯ Other

What do we know about an angle which is SMALLER than 90 degrees?

Mark only one oval.

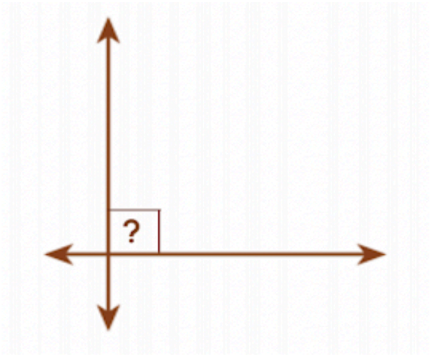
- ◯ It's acute!
- ◯ It's obtuse!
- ◯ It's a right-angle!

What do we know about an angle which is LARGER than 90 degrees?

Mark only one oval.

- ◯ It's acute!
- ◯ It's obtuse!
- ◯ It's a right-angle!

What do we know about the angle found between two perpendicular lines?



Mark only one oval.

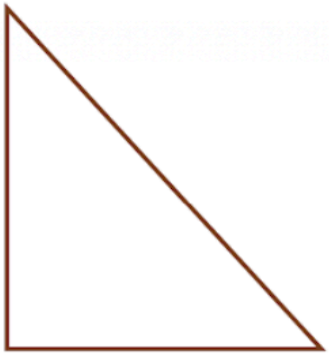
- It's acute!
- It's obtuse!
- It's a right-angle!

Now, let's do an example, what can you tell me about this angle?

Mark only one oval.

- It's acute!
- It's obtuse!
- It's a right-angle!

Can you tell me whether this triangle is acute, obtuse, or right-angled?



Mark only one oval.

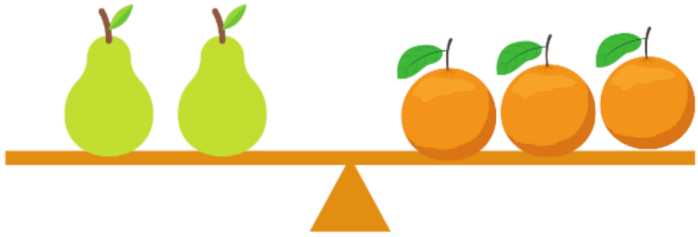
- ◯ Acute
- ◯ Obtuse
- ◯ Right-Angled

What about this triangle?

Mark only one oval.

- ◯ Acute
- ◯ Obtuse
- ◯ Right-Angled

Balancing Objects

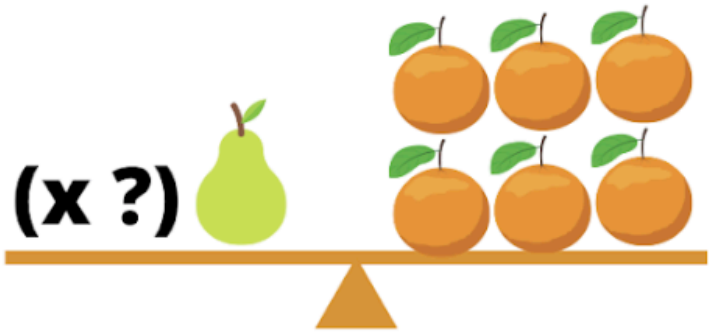


Looking at the scales above, how many oranges does it take to balance 1 apple?

Mark only one oval.

- ◯ 1
- ◯ 3
- ◯ 6
- ◯ 2

Looking at the scales above, how many pears does it take to balance 6 oranges?



Mark only one oval.

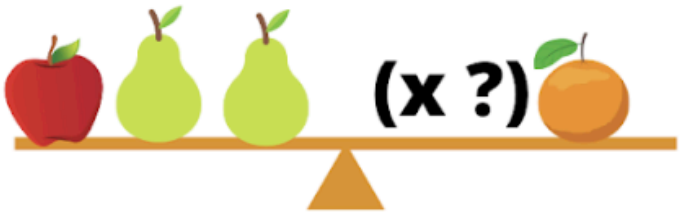
- 2
- 3
- 6
- 4

Looking at the scales above, how many oranges does it take to balance 2 apples?

Mark only one oval.

- 6
- 8
- 4
- 10

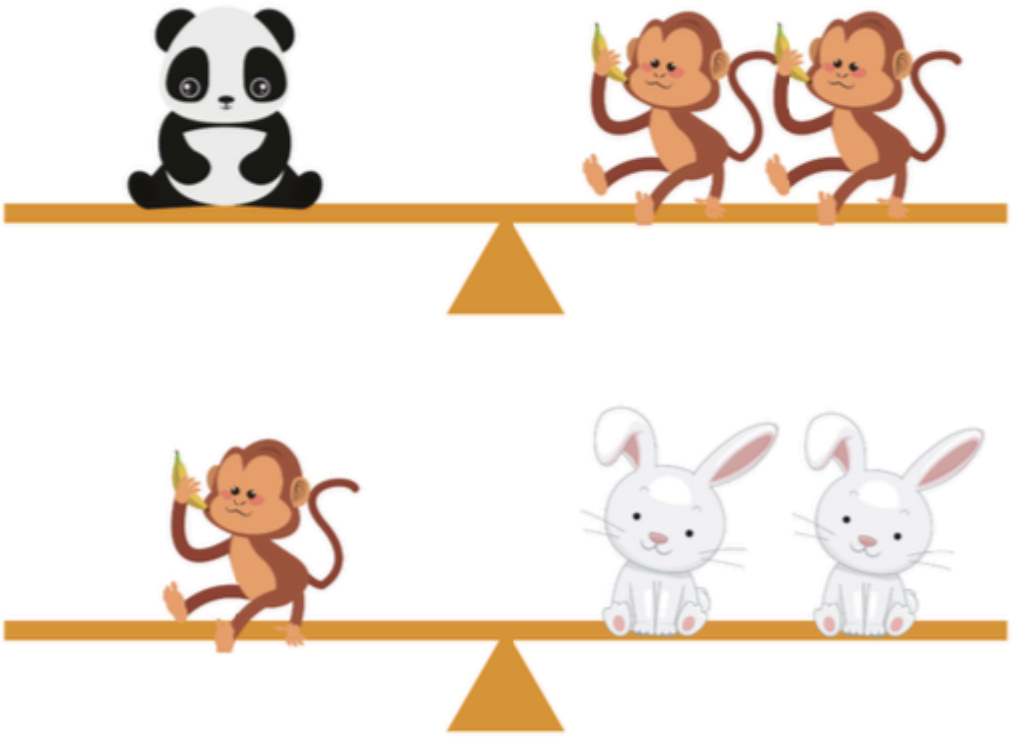
Looking at the scales above, how many oranges does it take to balance 1 apple and 2 pears?



Mark only one oval.

- ◯ 11
- ◯ 12
- ◯ 6
- ◯ 4

The two BALANCED SCALES!



9. Which animal is the heaviest?

Mark only one oval.

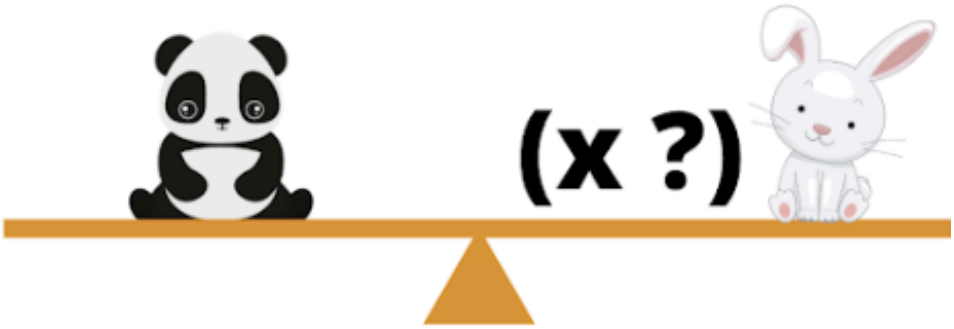
- Monkey
- Rabbit
- Panda

Which animal is the lightest?

Mark only one oval.

- Rabbit
- Monkey
- Panda

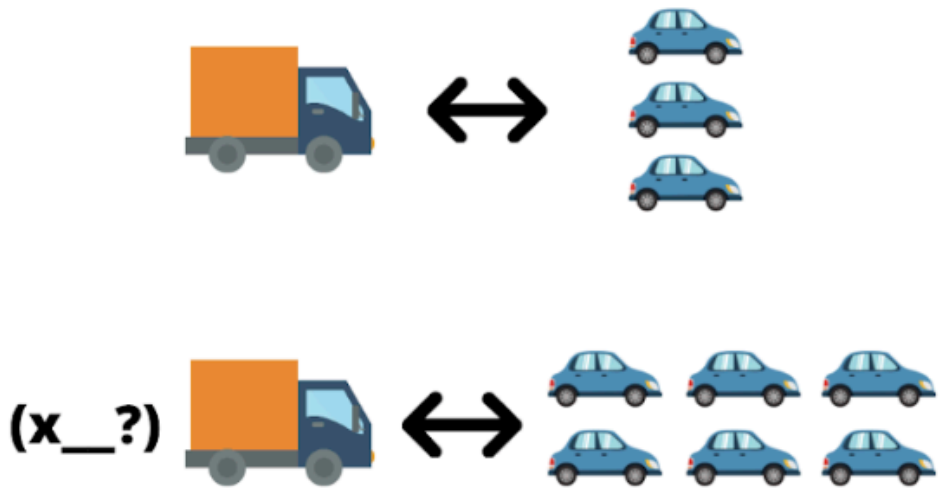
So, how many rabbits do we need to balance 1 panda?



Mark only one oval.

- 1
- 2
- 5
- 4

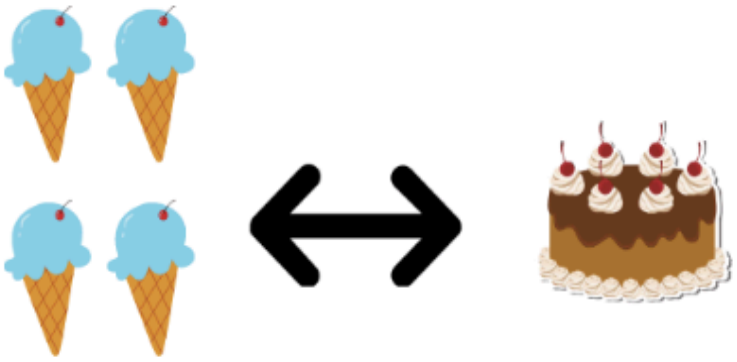
13. Look at the image below, what number goes in this blank? 1 poin



Mark only one oval.

- 1
- 3
- 5
- 2
- 6

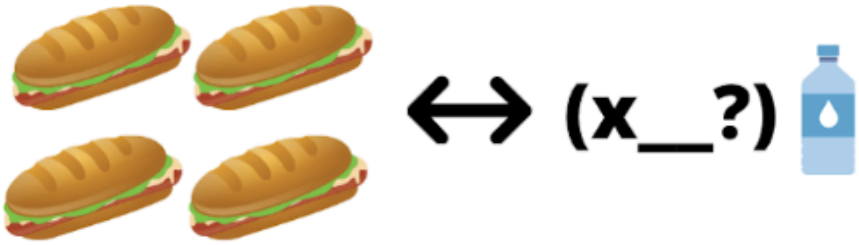
Look at the image below. What number goes in the blank? 1 pc



Mark only one oval.

- 6
- 8
- 4
- 1

Final question, looking at this picture, what number goes in the blank? 1 point



Mark only one oval.

- 10
- 3
- 12
- 20
- 16
- 6

Solutions:

Mental Maths:

1.35
2.53
3.22
4.70
5.85
6.22
7. 46
8.20
9.16
10.20
11.40
12.41
13.72
14.21
15.5
16.5
17.4
18.30
19.25
20.18

Money problems

1.£6.27
2.£3
3.£2.95
4.Pip
5.£4
6.£7
7.No
8.£6.89
9. 20p,10p,5p,2p
10. £1,50p,20p,2p,1p

Time:

1. 11:45
2. 1:06
3. 2:30
4. 5:09
5: 11:40
6. 5:00
7: 2 hrs 30 mins
8. 21
9. 12
10. Lucy
11. 3:00
12. 7:25
13. 2:45
14. 15
15. 22
16. 10
17. 6:30
18. 7:24
19. 6:40
20. 8:35

Observing Objects:

1.FRONT
2.RIGHT
3. TOP
4.A
5.C

Patterns, Shapes and Sequences

1.rectangle, square, triangle, trapezium
2. Circle and triangle
3. Kite, triangle
4. square, rectangle, triangle, circle
5. 6
6. 26
7. B
8. A
9. B
10. A
11. 14
12. 5
13. 8
14. 9

15. 14
16. 4
17. 16
18. B
19. A

Lines and Angles

11. Parallel
2. Perpendicular
3. Perpendicular
4. Other
5. It's acute!
6. It's obtuse!
7. It's a right angle!
8. It's acute!
9. Right Angled
10. Obtuse

Balancing Objects

1.3
2.4
3.6
4.6
5.Panda
6. Rabbit
7.4
8.2
9.8
10.12