

Marvellous Maths Quiz

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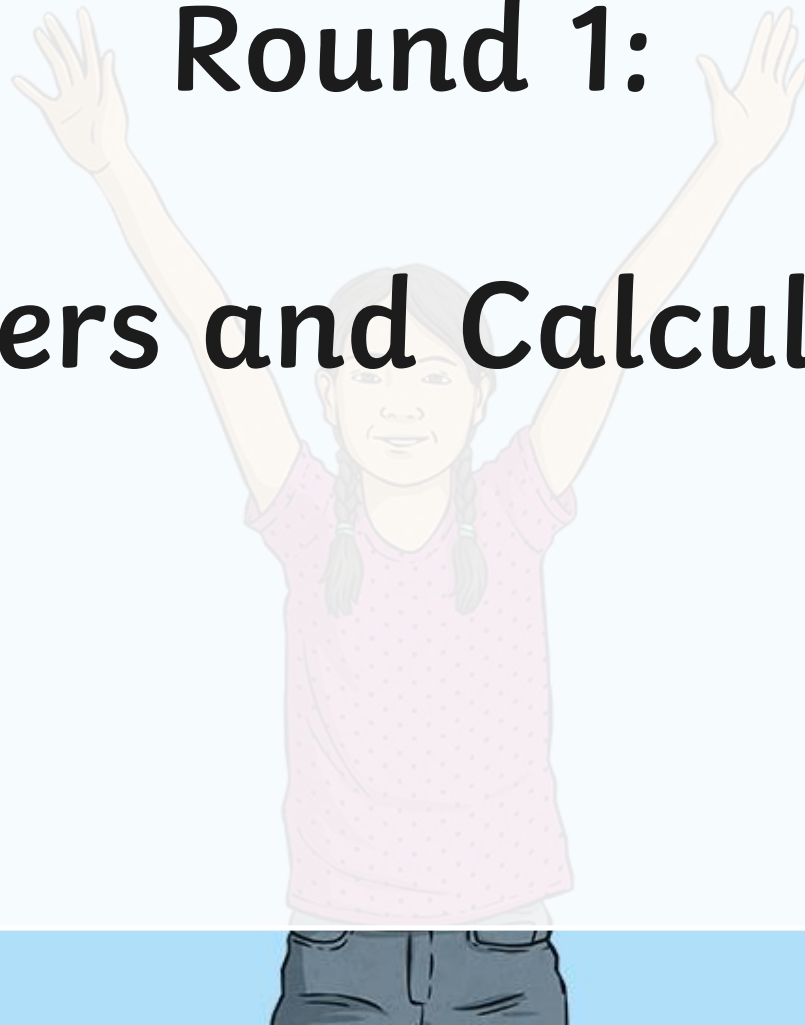
Round 1:

Numbers and Calculations

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1. What is the value of the underlined number?

53076

1 A. three thousand

B. three hundred

C. three

D. thirty thousand

2. Put these numbers in order (smallest first).

1
A. 382950

B. 329805

C. 953082

D. 903582

3. What is 3789 to the nearest 100?

A. 4000

B. 3790

C. 3800

D. 3700

4. In Antarctica in summer, the temperature is 8°C in the day.
At night, it drops by 14°C .
What is the temperature at night?

1

A. -22°C

B. -6°C

C. -8°C

D. 6°C

5. The next morning, the temperature in Antarctica increases from -6°C to 6°C .
How much has it increased?

1 A. 12°C

B. 10°C

C. -12°C

D. The temperature is the same

6. 430 sweets from a jar of 1100 were sold in one day.

How many sweets are left in the jar?

1 A. 770

B. 1530

C. 670

D. 570

7. The chocolates in a chocolate box are arranged into 13 rows, with 13 chocolates in each row.

What is 13^2 ?

1 A. 260

B. 144

C. 169

D. 26

8. 808kg of recycled plastic is sent to the factory. This will be made into 100 plastic containers. How much plastic would be used to make 1 container?

1 A. 0.808kg

B. 88kg

C. 8.8kg

D. 8.08kg

9. Put these in order (smallest to largest).

1
A. 0.4

B. 80%

C. $\frac{1}{4}$

D. $\frac{7}{10}$

10. Which of these fractions is not equivalent to $\frac{6}{9}$?

1

A. $\frac{8}{12}$

B. $\frac{2}{3}$

C. $\frac{18}{21}$

D. $\frac{30}{45}$

End of Round 1

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Round 1 Answers

1. A: three thousand

6. C: 670

2. B, A, D, C

7. C: 169

3. C: 3800

8. D: 8.08kg

4. B: -6°c

9. C, A, D, B

5. A: 12°c

10. C: $\frac{18}{21}$

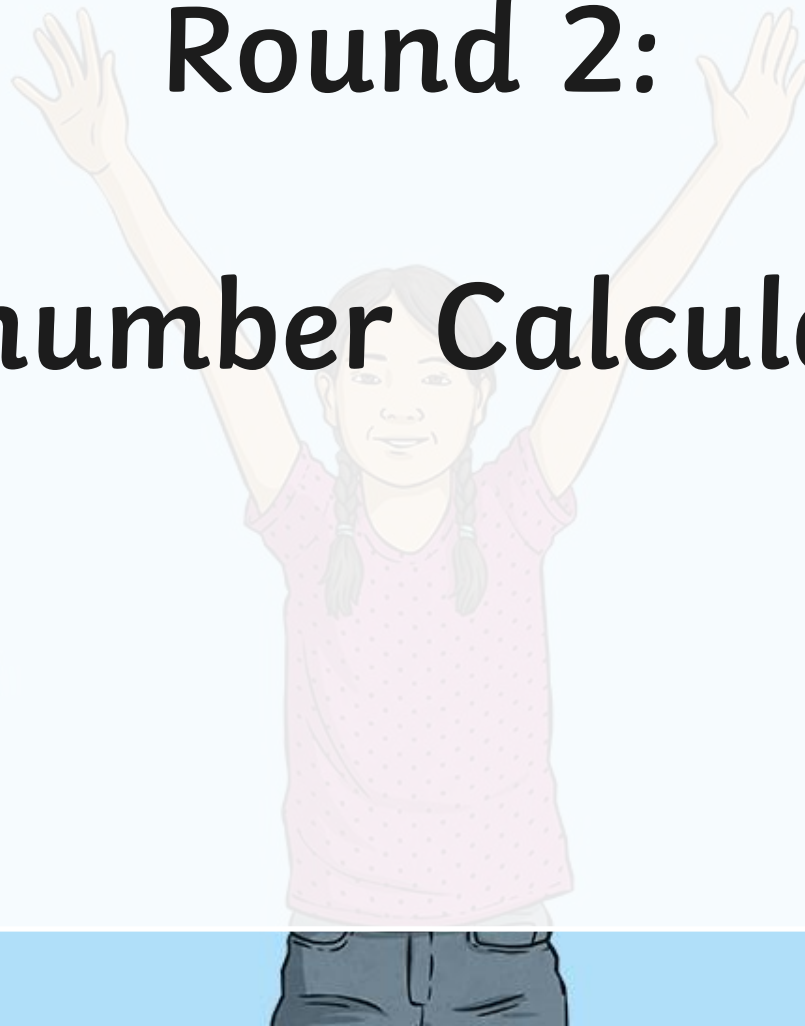
Round 2:

Non-number Calculations

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1. What kind of an angle is 190° ?

1
A. right angle

B. acute angle

C. obtuse angle

D. reflex angle

2. A rectangle has a length of 5 cm and a width of 4 cm.

What is the area of the rectangle?

1
A. 20cm^2

B. 20cm

C. 9cm^2

D. 1cm

3. A triangle has 3 angles.

23°, 47° and...

1 A. 110°

B. 100°

C. 90°

D. 80°

4. Starting at position $(4,-2)$, which coordinate do you finish at if you move left 5 times and up 6 times?

1
A. $(1,-4)$

B. $(-1,-4)$

C. $(1,4)$

D. $(-1,4)$

5. 20% of staff at a company where 160 people work are sick and cannot work.

How many people are still able to work?

1 A. 110

B. 128

C. 140

D. 144

6. Recipe for 4 chocolate cupcakes:
110g chocolate, 200g flour, 60g butter, 4 eggs.
What is the correct recipe for 10 chocolate cupcakes?

1
A. 25g chocolate, 50g flour, 15g butter and 1 egg

B. 250g chocolate, 800g flour, 240g butter and 12 eggs

C. 400g chocolate, 800g flour, 180g butter and 12 eggs

D. 275g chocolate, 500g flour, 150g butter and 10 eggs

7. Derek buys a new shirt for £12.25 and a tie for £5.80.
What change does he get from £20.00?

1 A. £18.50

B. £2.00

C. £1.95

D. £2.95

8. What is the volume of a cuboid if the sides measure 10cm, 15cm and 5cm?

1 A. 30cm^3

B. 600cm^3

C. 750cm^3

D. 25cm^3

9. Tamwar has to travel 6 miles to meet his friend.
Roughly how much is this in kilometres?

1 A. 6km

B. 12km

C. 5km

D. 10km

10. What is the mean of these numbers...

6, 6, 8, 9, 6

1 A. 5

B. 7

C. 6

D. 8

End of Round 2

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Round 2 Answers

1. D: reflex angle

2. A: 20cm^2

3. A: 110°

4. D: $(-1,4)$

5. B: 128

6. D: 275g chocolate, 500g of flour, 150g butter, 10 eggs

7. C: £1.95

8. C: 750cm^3

9. D: 10km

10. B: 7

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