

Before you get started on your maths, here's a reminder about the Sumdog competition that starts on Friday. Remember, you need to login and answer questions before Friday so it can set your level, so start today!!!

Oasis Community Learning and Sumdog have partnered to bring the first ever Multi Academy Trust National Maths contest from 5th June until 11th June 2020. The contest is open to all pupils in Years 1 to 8 with classes, individuals and even regions celebrated throughout the competition and at the end with amazing prizes!

It is straightforward to get involved and **pupils can continue to use Sumdog for free once the contest has ended**. Usually, Sumdog provides online-personalised practice for maths and spelling for Years 1 to 8. Adaptive questions and multi-player games keep children switched on and motivated to learn. Mapped to the National Curriculum, Sumdog is proven to accelerate progress by reinforcing teaching and helping to identify gaps in pupil knowledge.

What is a Sumdog contest?

- **Pupils enter by playing any of the 20+ Sumdog games, using a computer, smartphone or tablet**
- Questions are tailored to each child's level, meaning children in Year 1 can compete against their peers in Year 8
- Pupils answer questions as accurately as they can during the course of a week. One hours play is sufficient to get a good score
- **Prizes too!!!** - The overall 1st place class will receive a Sumdog trophy and medals
- Top 3 pupils will receive an app store voucher, either for Android or iOS
- The top class each day will receive a printable daily winner certificate (a class can only be the Daily winner once during the contest).
- All pupils who have answered 100 questions will receive a virtual item for their Sumdog house. This item will be delivered automatically as a gift to their account.
- The top 10 pupils overall will receive a printable certificate

You can login to the sundog website <https://pages.sumdog.com/> using your Mymaths login. Before the competition begins, you will need to answer some questions so that it can set your level, so start today! We can win this!

Tuesday 2nd June

Remember to think about which questions would be best answered by a mental method, and which by a written method. If you get stuck, use the answers to help you work out how to do them.

1	$377 + 40 =$	
		<input type="text"/>
		1 mark

2	$80 \times 9 =$	
		<input type="text"/>
		1 mark

3	$8,327 + 1,489 =$	
		<input type="text"/>
		1 mark

4	$\frac{1}{4}$ of 36 =	
		<input type="text"/>
		1 mark

5	$73,294 + 79,569 =$	
		<input type="text"/>
		1 mark

Q1

×10

×100

÷10

÷100

÷1000

Choose from the cards above to complete the calculations. You won't need to use them all.

4,594 = 45.94

33,832 = 338,320

54.3 = 5,430

432.4 = 43.24

2 marks

Q2

a

Round 4,594 to the nearest 10.

1 mark

Q2

b

Round 496,843 to the nearest ten thousand.

1 mark

Q3

Day	Visitors to Art Museum	Visitors to Science Museum
Monday	4,594	4,503
Tuesday	8,832	6,842
Wednesday	3,043	9,832

a

On which day(s) did the Art Museum have more visitors than the Science Museum?

1 mark

b

Which museum had the most visitors altogether between Monday and Wednesday?

1 mark

Investigation time!

3

Just four you

Can you use just four 4s and any operations to write the numbers from 0–10.

For example

To make the number 3 you could do $4 + 4 + 4$ and then divide by 4.

Can you find more than one way of making each number?

We can't wait to see what you find!

Answers

Remember, (M) is written next to those questions you should have tried to solve mentally first. (W) means a written method is usually more efficient for this question.

1. $377 + 40 = \mathbf{417}$ (M)

2. $80 \times 9 = \mathbf{720}$ (M)

3. $8,327 + 14,895 = \mathbf{23,222}$ (W)

4. $\frac{1}{4}$ of 36 = $\mathbf{9}$ (M)

5. $73,294 + 79,569 = \mathbf{152,863}$ (W)

Q1

× 10

× 100

÷ 10

÷ 100

÷ 1000

Choose from the cards above to complete the calculations. You won't need to use them all.

$$4,594 \quad \boxed{\div 100} = 45.94$$

$$33,832 \quad \boxed{\times 10} = 338,320$$

$$54.3 \quad \boxed{\times 100} = 5,430$$

$$432.4 \quad \boxed{\div 10} = 43.24$$

2 marks

Q2

a

Round 4,594 to the nearest 10.

4,590

1 mark

Q2

b

Round 496,843 to the nearest ten thousand.

500,000

1 mark

Q3

Day	Visitors to Art Museum	Visitors to Science Museum
Monday	4,594	4,503
Tuesday	8,832	6,842
Wednesday	3,043	9,832

a

On which day(s) did the Art Museum have more visitors than the Science Museum?

Monday AND Tuesday

1 mark

b

Which museum had the most visitors altogether between Monday and Wednesday?

Science Museum

1 mark

3. Just Four You

$$0 = 4 + 4 - 4 - 4$$

$$1 = 4 \div 4 + 4 - 4$$

$$2 = 4 \div 4 + 4 \div 4$$

$$3 = (4 + 4 + 4) \div 4$$

$$4 = 4 \times (4 - 4) + 4$$

$$5 = (4 \times 4 + 4) \div 4$$

$$6 = (4 + 4) \div 4 + 4$$

$$7 = 44 \div 4 - 4 = 4 + 4 - (4 \div 4)$$

$$8 = 4 + 4.4 - .4 = 4 + 4 + 4 - 4$$

$$9 = 4 \div 4 + 4 + 4$$

$$10 = (44 - 4) / 4 = 44 \div 4.4 = 4 + \sqrt{4} + \sqrt{4} + \sqrt{4}$$