

Arithmetic Fluency

Calculate the following:

1) $\frac{12}{17} \div 6$ 2) $\frac{7}{9} \div 8$

3) $\frac{11}{23} \div 7$ 4) $6\frac{2}{5} \div 3$

Mathematical Reasoning

0.01 is the same as $\frac{1}{100}$ because the 1 is in the hundredths column. This is the same as 1% because percent means 'out of 100'.

In the same way, explain how to change 0.1 and 0.5 into fractions and percentages.



SPaG

Match each prefix with the correct root word.

anti	interpret
co	dote
mis	curricular
extra	operation

Can you use the words to help you work out what each prefix means?

Word of the Day

Read the definition(s) and write your own sentence.

catastrophe (noun)

Definition – An event, often sudden, which causes great damage, trouble or suffering

Example – The earthquake, although less powerful than some in the past, was a catastrophe.

The Answers Are On
The Next Slide



no peeking

elyxandra

Arithmetic Fluency

Calculate the following:

1) $\frac{12}{17} \div 6 = \frac{2}{17}$ 2) $\frac{7}{9} \div 8 = \frac{7}{72}$

3) $\frac{11}{23} \div 7 = \frac{11}{161}$ 4) $6\frac{2}{5} \div 3 = 2\frac{2}{15}$

Mathematical Reasoning

0.01 is the same as $\frac{1}{100}$ because the 1 is in the hundredths column. This is the same as 1% because percent means 'out of 100'.

In the same way, explain how to change 0.1 and 0.5 into fractions and percentages.

0.1 has a 1 in the tenths column, so it is equal to $\frac{1}{10}$. This can be converted to $\frac{10}{100}$, so it also equals 10%.

0.5 has a 5 in the tenths column, so it is equal to $\frac{5}{10}$, which can be simplified to $\frac{1}{2}$. It can be also converted to $\frac{50}{100}$, so it also equals 50%.



SPaG

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Definition – An event, often sudden, which causes great damage, trouble or suffering

Example – The earthquake, although less powerful than some in the past, was a catastrophe.

Arithmetic Fluency

Calculate the following:

1) $2\frac{9}{11} - \frac{3}{11}$

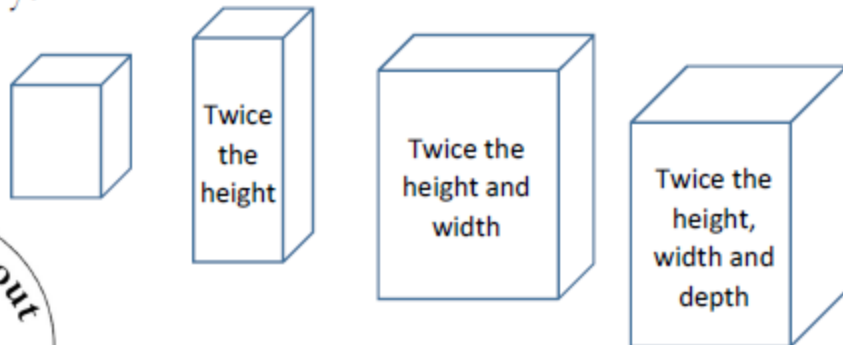
2) $3\frac{2}{5} - \frac{4}{5}$

3) $4\frac{1}{3} - 1\frac{8}{9}$

4) $5\frac{1}{6} - 2\frac{7}{9}$

Mathematical Reasoning

Sam's cuboid is shown on the left. Which of the other cuboids has twice the volume of Sam's? Explain why.



Daily Workout
Year
6
Week 14 - Tuesday

SPaG

Which sentence is written in standard English?

1. What we was doing led to the window being smashed, so it was our fault.
2. We could of caught the train if we had just left the cinema earlier.
3. We were just about to leave when we heard the crash, so we went to help.

Word of the Day

Read the definition(s) and write your own sentence.

evasive (adjective)

Definition – Trying to avoid or escape, by answering questions indirectly, or taking action to avoid them

Example – When he was questioned about the break-in, he was extremely evasive.

The Answers Are On
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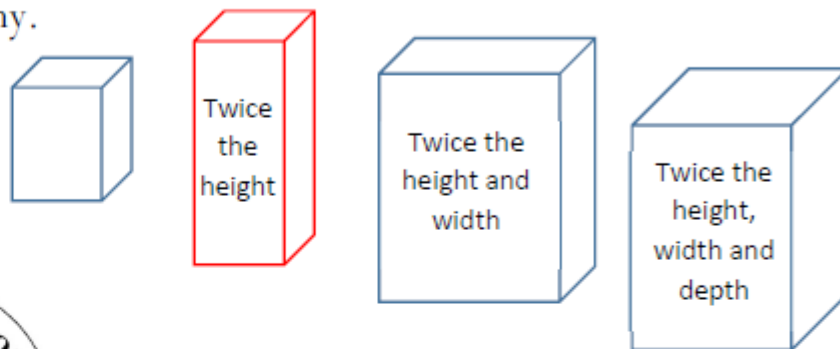
Arithmetic Fluency

Calculate the following:

$$1) 2\frac{9}{11} - \frac{3}{11} = 2\frac{6}{11} \quad 2) 3\frac{2}{5} - \frac{4}{5} = 2\frac{3}{5}$$
$$3) 4\frac{1}{3} - 1\frac{8}{9} = 2\frac{4}{9} \quad 4) 5\frac{1}{6} - 2\frac{7}{9} = 2\frac{7}{18}$$

Mathematical Reasoning

Sam's cuboid is shown on the left. Which of the other cuboids has twice the volume of Sam's? Explain why.



The cuboid which is twice the volume has one dimension twice the size, with the others remaining the same.

Daily Workout
Year
6
Week 14 - Tuesday

SPaG

Which sentence is written in standard English?

1. What we was doing led to the window being smashed, so it was our fault.
2. We could of caught the train if we had just left the cinema earlier.
3. We were just about to leave when we heard the crash, so we went to help. ✓

Word of the Day

Read the definition(s) and write your own sentence.

evasive (adjective)

Definition – Trying to avoid or escape, by answering questions indirectly, or taking action to avoid them

Example – When he was questioned about the break-in, he was extremely evasive.

Arithmetic Fluency

Calculate the following:

1) $367.2 \div 8$

2) $76.86 \div 7$

3) $563.4 \div 0.9$

Mathematical Reasoning

Work out the digits in the six-digit number below.

The digit in the tens of thousands column is a square number. It is smaller than the digit in the hundreds column. The digit in the hundreds of thousands column is a prime number and a factor of 4. The digit in the tens column has a lower value than the digit in the ones. The value of the digit in the ones column is 4994 less than the value of the digit in the thousands column.



SPaG

Which sentences below include a relative clause?

1. The party, which had become more of a chore than a present, was beginning to wind down.
2. I'd like to go where my friend went on holiday.
3. Last year, we moved to London, where my dad had got a new job.
4. I had no idea which cake to choose.

Word of the Day

Read the definition(s) and write your own sentence.

obtrusive (adjective)

Definition – Noticeable or prominent, usually in an unwelcome way

Example – The new building next door was a little obtrusive when viewed from the garden.

The Answers Are On
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Arithmetic Fluency

Calculate the following:

$$1) 367.2 \div 8 = 45.9$$

$$2) 76.86 \div 7 = 10.98$$

$$3) 563.4 \div 0.9 = 626$$

Mathematical Reasoning

Work out the digits in the six-digit number below.

The digit in the tens of thousands column is a square number. It is smaller than the digit in the hundreds column. The digit in the hundreds of thousands column is a prime number and a factor of 4. The digit in the tens column has a lower value than the digit in the ones. The value of the digit in the ones column is 4994 less than the value of the digit in the thousands column.

 2 4 5 7 0 6



SPaG

Which sentences below include a relative clause?

1. The party, which had become more of a chore than a present, was beginning to wind down. ✓
2. I'd like to go where my friend went on holiday.
3. Last year, we moved to London, where my dad had got a new job. ✓
4. I had no idea which cake to choose.

Word of the Day

Read the definition(s) and write your own sentence.

obtrusive (adjective)

Definition – Noticeable or prominent, usually in an unwelcome way

Example – The new building next door was a little obtrusive when viewed from the garden.

Arithmetic Fluency

Calculate the following:

1) $74 - 8 \div 2$

2) $34 + 8 \times 7$

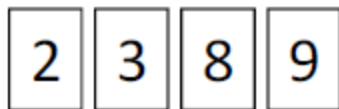
3) $48 \div 12 - 4 \times 8$

Mathematical Reasoning

Use the digit cards to complete the number sentences.
You can only use each card once.

$267,387 < 26\Box,387 < \Box69,191$

$478,\Box27 < 47\Box,327 < 487,327$



SPaG

What type of sentence is each of the below? Choose statement (s), question (q), exclamation (e) or command (c)

1. I stopped to work out what the problem was
2. What a funny episode
3. What happened when I left the room
4. Move the paper to the left, before carefully folding it

Word of the Day

Read the definition(s) and write your own sentence.

persecute (verb)

Definition – To be hostile or aggressive towards someone, particularly because of race, religion or political beliefs

Example – When the government decided to persecute its people, war was declared.

The Answers Are On
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Arithmetic Fluency

Calculate the following:

$$1) 74 - 8 \div 2 = 70$$

$$2) 34 + 8 \times 7 = 90$$

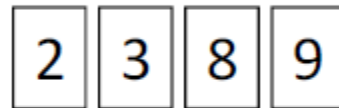
$$3) 48 \div 12 - 4 \times 8 = -28$$

Mathematical Reasoning

Use the digit cards to complete the number sentences.
You can only use each card once.

$$267,387 < 268,387 < 269,191$$

$$478,327 < 479,327 < 487,327$$



SPaG

What type of sentence is each of the below? Choose statement (s), question (q), exclamation (e) or command (c)

1. I stopped to work out what the problem was (s)
2. What a funny episode (e)
3. What happened when I left the room (q)
4. Move the paper to the left, before carefully folding it (c)

Word of the Day

Read the definition(s) and write your own sentence.

persecute (verb)

Definition – To be hostile or aggressive towards someone, particularly because of race, religion or political beliefs

Example – When the government decided to persecute its people, war was declared.

Arithmetic Fluency

Calculate the following:

1) $11^2 - 3^3$

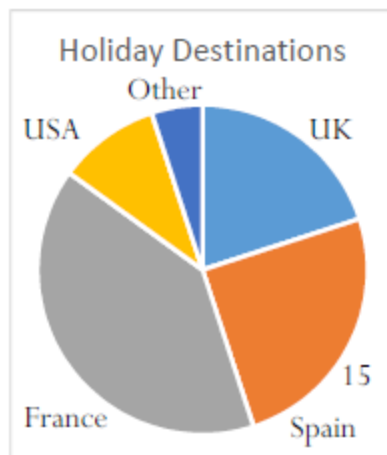
2) $7^2 + \underline{\quad} = 5^3$

3) $7^3 + 9^2$

Mathematical Reasoning

Look at the pie chart, and decide which statements could be true.

- 80 People took part in the survey
- 6 People went to the USA
- More people went to France than all the other destinations put together.
- 8 people went to 'other' destinations



SPaG

Write down whether each sentence is active (a) or passive (p).

1. Max pushed Oscar after a disagreement on the playground.
2. Lily was chosen by Freddie to be on his team.
3. The bottle was thrown quite violently.
4. Helen charged toward the door, desperately trying to keep it open.

Word of the Day

Read the definition(s) and write your own sentence.

mitigating (adjective)

Definition – making something bad less severe or harmful

Example – Although his actions were regrettable, there were mitigating circumstances.

The Answers Are On
The Next Slide



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Arithmetic Fluency

Calculate the following:

1) $11^2 - 3^3 = 94$

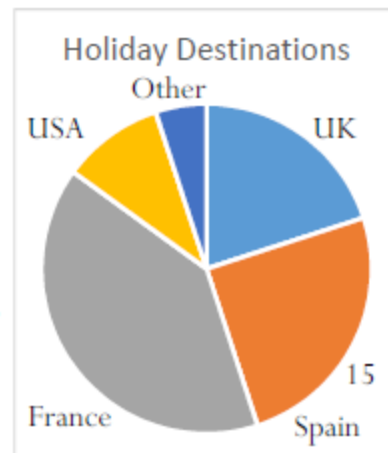
2) $7^2 + 76 = 5^3$

3) $7^3 + 9^2 = 424$

Mathematical Reasoning

Look at the pie chart, and decide which statements could be true.

- 80 People took part in the survey **FALSE**
- 6 People went to the USA **TRUE**
- More people went to France than all the other destinations put together. **FALSE**
- 8 people went to 'other' destinations **FALSE**



SPaG

Write down whether each sentence is active (a) or passive (p).

1. Max pushed Oscar after a disagreement on the playground. (a)
2. Lily was chosen by Freddie to be on his team. (p)
3. The bottle was thrown quite violently. (p)
4. Helen charged toward the door, desperately trying to keep it open. (a)

Word of the Day

Read the definition(s) and write your own sentence.

mitigating (adjective)

Definition – making something bad less severe or harmful

Example – Although his actions were regrettable, there were mitigating circumstances.