

## Arithmetic Fluency

Calculate the following:

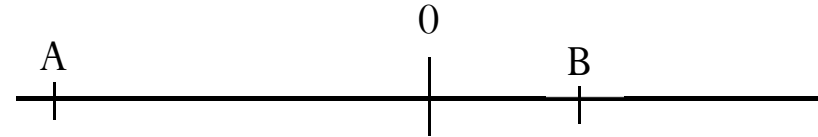
1)  $32 - 8 \div 4$

2)  $(6 + 8) \times 3$

3)  $24 - 15 \div 3 + 1$

## Mathematical Reasoning

Look at the number line below. The difference between A and B is 70. Whose statements could be (or is) correct?



Oscar: "A is -35 and B is 35."

Lawrence: "A is -50; B is 20."

Jenny: "A is more than B."

Keely: "A is a negative number."

Hollie: "B is -90; A is 20."



## SPaG

Change each sentence below to past perfect tense.

1. I have run a marathon for charity.
2. They were cheering for the netball team.
3. Natalie draws pictures of various nature scenes.
4. Some children were walking to the swimming pool.

## Word of the Day

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

**contrite** (adjective)

**Definition** – Feeling sorry, guilty or remorseful for something that you have done

**Example** – Although her actions were reckless, she was visibly contrite the following morning.

## Arithmetic Fluency

Calculate the following:

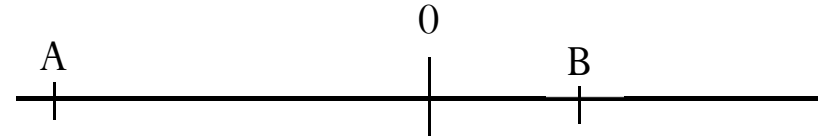
$$1) 32 - 8 \div 4 = 30$$

$$2) (6 + 8) \times 3 = 42$$

$$3) 24 - 15 \div 3 + 1 = 20$$

## Mathematical Reasoning

Look at the number line below. The difference between A and B is 70. Whose statements could be (or is) correct?



Oscar: "A is -35 and B is 35."

Lawrence: "A is -50; B is 20." ✓

Jenny: "A is more than B."

Keely: "A is a negative number." ✓

Hollie: "B is -90; A is 20."



## SPaG

Change each sentence below to past perfect tense.

1. I have run a marathon for charity.

**I had run a marathon for charity.**

2. They were cheering for the netball team.

**They had cheered for the netball team.**

3. Natalie draws pictures of various nature scenes.

**Natalie had drawn pictures of various nature scenes.**

4. Some children were walking to the swimming pool.

**Some children had walked to the swimming pool.**

## Word of the Day

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

**contrite** (adjective)

**Definition** – Feeling sorry, guilty or remorseful for something that you have done

**Example** – Although her actions were reckless, she was visibly contrite the following morning.

## Arithmetic Fluency

Calculate the following:

1)  $738 \times 8$

2)  $6 \times 936$

3)  $3787 \times 7$

## Mathematical Reasoning

Which statements are possible and which are impossible?

Tom: "I'm thinking of a regular shape. It has 3 acute angles and 2 obtuse angles."

Yoshi: "I'm thinking of a right-angled triangle that has an obtuse and an acute angle."

Leanne: "I'm thinking of a parallelogram with four right-angles."



## SPaG

Which of the following sentences use the subjunctive form?

1. If I hadn't turned the water off, it would have flooded the house.
2. If the water was still running, the house would be flooded.
3. If I could fly, I'd be famous by now.
4. If I were able to fly, I'd never land again.

## Word of the Day

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

**uppity** (adjective)

**Definition** – Arrogant; someone believing they are more important than they really are

**Example** – He got very uppity when he realised others were getting more praise than him.

## Arithmetic Fluency

Calculate the following:

1)  $738 \times 8 = 5904$

2)  $6 \times 936 = 5616$

3)  $3787 \times 7 = 26,509$

## Mathematical Reasoning

Which statements are possible and which are impossible?

Tom: "I'm thinking of a regular shape. It has 3 acute angles and 2 obtuse angles." **Impossible – regular shapes have equal angles.**

Yoshi: "I'm thinking of a right-angled triangle that has an obtuse and an acute angle. **Impossible – a right angle and an obtuse angle add up to more than  $180^\circ$ . A triangle's angles add to  $180^\circ$ .**

Leanne: "I'm thinking of a parallelogram with four right-angles." **Possible – she is thinking of a rectangle, which is a special kind of parallelogram.**



## SPaG

Which of the following sentences use the subjunctive form?

1. If I hadn't turned the water off, it would have flooded the house.
2. If the water was still running, the house would be flooded.
3. If I could fly, I'd be famous by now.
4. If I were able to fly, I'd never land again. ✓

## Word of the Day

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

**uppity** (adjective)

**Definition** – Arrogant; someone believing they are more important than they really are

**Example** – He got very uppity when he realised others were getting more praise than him.

## Arithmetic Fluency

Calculate the following:

1)  $5\frac{5}{7} - 2\frac{3}{7}$

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

3)  $4\frac{1}{12} - \frac{3}{4}$

4)  $5\frac{3}{10} - 1\frac{13}{15}$

## Mathematical Reasoning

Freya has a pizza; she eats  $\frac{5}{8}$  of it. Will has a different pizza; he eats  $\frac{4}{6}$  of it.

Robin eats the remainder of both pizzas. How much pizza does he eat altogether?



## SPaG

Which one of the following sentences is written in standard English?

1. Me and Joe walked to the bus stop after lunch.
2. Joe and me walked to the bus stop after lunch.
3. Joe and I walked to the bus stop after lunch.
4. I and Joe walked to the bus stop after lunch.

## Word of the Day

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

**terrain** (noun)

**Definition** – An area of land, especially the physical features of that land

**Example** – As she neared the summit, the terrain was particularly problematic and she questioned whether she could make it.

## Arithmetic Fluency

Calculate the following:

$$1) 5\frac{5}{7} - 2\frac{3}{7} = 3\frac{2}{7} \quad 2) 7\frac{1}{9} - \frac{4}{9} = 6\frac{6}{9}$$
$$3) 4\frac{1}{12} - \frac{3}{4} = 3\frac{4}{12} \quad 4) 5\frac{3}{10} - 1\frac{13}{15} = 3\frac{13}{30}$$

Accept equivalent fractions

## Mathematical Reasoning

Freya has a pizza; she eats  $\frac{5}{8}$  of it. Will has a different pizza; he eats  $\frac{4}{6}$  of it.

Robin eats the remainder of both pizzas. How much pizza does he eat altogether?



$$\frac{5}{8} + \frac{4}{6} = 1\frac{7}{24}$$

So he eats  $\frac{17}{24}$  of a pizza.



## SPaG

Which one of the following sentences is written in standard English?

1. Me and Joe walked to the bus stop after lunch.
2. Joe and me walked to the bus stop after lunch.
3. Joe and I walked to the bus stop after lunch. ✓
4. I and Joe walked to the bus stop after lunch.

## Word of the Day

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

**terrain** (noun)

**Definition** – An area of land, especially the physical features of that land

**Example** – As she neared the summit, the terrain was particularly problematic and she questioned whether she could make it.

## Arithmetic Fluency

Calculate the following:

1)  $\frac{3}{4} \times \frac{5}{9}$

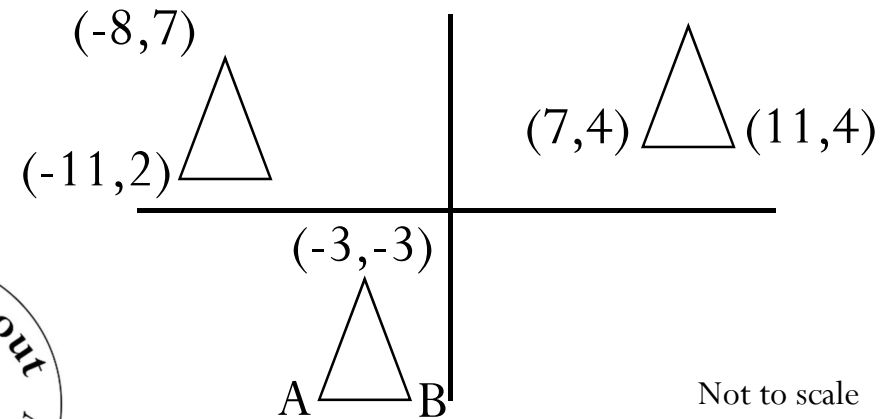
2)  $\frac{2}{5} \times \frac{4}{9}$

3)  $\frac{9}{11} \times \frac{5}{12}$

4)  $\frac{2}{17} \times \frac{7}{12}$

## Mathematical Reasoning

The isosceles triangles in the diagram below are all identical. What are the coordinates of points A and B?



## SPaG

Insert a semi-colon in the correct place in the sentences below. In which one can a semi-colon not be used?

1. Despite the rain, we went outside that's how my trainers got muddy.
2. I can't play with my friends I have broken my ankle.
3. When my family arrived I was in the garden.

## Word of the Day

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

**contingency** (noun)

**Definition** – Something that might happen in the future, often requiring further arrangements

**Example** – When making the plan, all possible contingencies were considered.

## Arithmetic Fluency

Calculate the following:

$$1) \quad \frac{3}{4} \times \frac{5}{9} = \frac{5}{12}$$

$$2) \quad \frac{2}{5} \times \frac{4}{9} = \frac{8}{45}$$

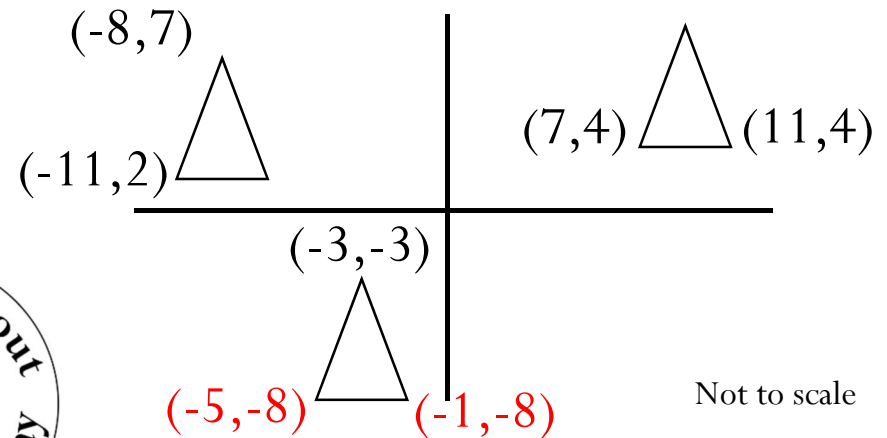
$$3) \quad \frac{9}{11} \times \frac{5}{12} = \frac{15}{44}$$

$$4) \quad \frac{2}{17} \times \frac{7}{12} = \frac{7}{102}$$

Accept equivalent fractions

## Mathematical Reasoning

The isosceles triangles in the diagram below are all identical. What are the coordinates of points A and B?



## SPaG

Insert a semi-colon in the correct place in the sentences below. In which one can a semi-colon not be used?

1. Despite the rain, we went outside; that's how my trainers got muddy.
2. I can't play with my friends; I have broken my ankle.
3. When my family arrived, I was in the garden.

A semi-colon can't be used here.

## Word of the Day

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

**contingency** (noun)

**Definition** – Something that might happen in the future, often requiring further arrangements

**Example** – When making the plan, all possible contingencies were considered.



## Arithmetic Fluency

Calculate the following:

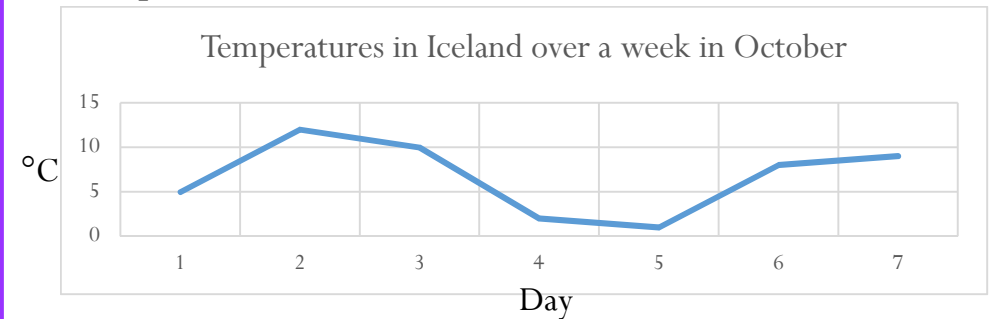
1)  $17 - 4.7$

2)  $9 - 5.89$

3)  $41 - 24.62$

## Mathematical Reasoning

Explain the errors:



“The difference between temperatures on day 2 and day 4 is  $14^{\circ}\text{C}$ .”

“The difference between temperatures on day 1 and day 7 is  $5^{\circ}\text{C}$ .”



## SPaG

In which of the sentences below is the word ‘round’ used as an adjective?

1. I can round numbers confidently.
2. The round tower was extremely impressive.
3. It is the second round of the championship tomorrow.

## Word of the Day

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

**supplement** (noun / verb)

**Definition 1** – Something added to something else

**Definition 2** – to add extra to something

**Example 1** – We paid a supplement to ensure a sea-view in the hotel.

**Example 2** – I started a second job to supplement my income.

## Arithmetic Fluency

Calculate the following:

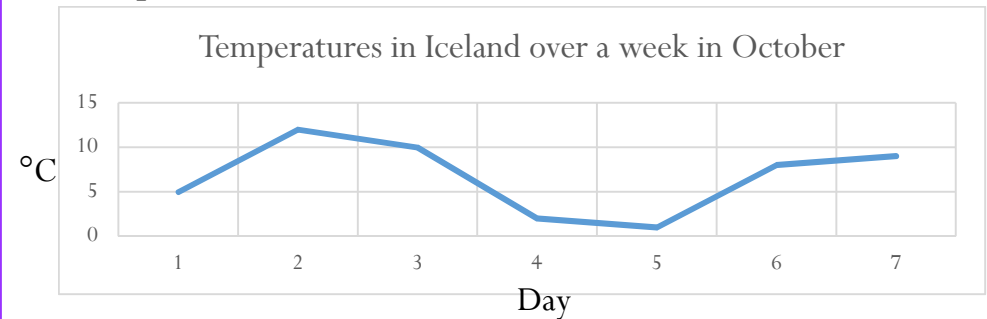
$$1) \quad 17 - 4.7 = 12.3$$

$$2) \quad 9 - 5.89 = 3.11$$

$$3) \quad 41 - 24.62 = 16.38$$

## Mathematical Reasoning

Explain the errors:



“The difference between temperatures on day 2 and day 4 is 14°C.” The readings from days 2 and 4 have been added instead of subtracted. The answer is 10°C.

“The difference between temperatures on day 1 and day 7 is 5°C.” The graph hasn’t been read accurately. Day 7 is definitely below the grid line, so the answer should be 4°C.



## SPaG

In which of the sentences below is the word ‘round’ used as an adjective?

1. I can round numbers confidently.
2. The round tower was extremely impressive. ✓
3. It is the second round of the championship tomorrow.

## Word of the Day

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

**supplement** (noun / verb)

**Definition 1** – Something added to something else

**Definition 2** – to add extra to something

**Example 1** – We paid a supplement to ensure a sea-view in the hotel.

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	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>Arithmetic</b>	Use their knowledge of the order of operations to carry out calculations involving the four operations (6C9)	Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers (5C7a)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (6F4)	Multiply simple pairs of proper fractions, writing the answer in its simplest form (6F5a)	Read, write, order and compare numbers with up to three decimal places (5F8)
<b>Mathematical Reasoning</b>	Use negative numbers in context, and calculate intervals across zero (6N5)	Compare and classify geometric shapes based on their properties and sizes (6G2a)	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (6F4)	Describe positions on the full co-ordinate grid (all four quadrants) (6P3)	Solve comparison, sum and difference problems using information presented in a line graph (5S2)
<b>SPaG</b>	Perfect Tense (G4.1b)	Subjunctive verb Forms (G4.3)	Standard English (G7.1)	Semi-Colons (G5.11)	Adjectives (G1.3)
<b>Word of the Day</b>	Contrite	Uppity	Terrain	Contingency	Supplement