Arithmetic Fluency

Calculate the following:

1) 67 x 96

2) 78 x 87

3) 68 x 449

Daily Workout
Year 6
Week 18 - Monday

Mathematical Reasoning

One pint is equivalent to 568ml.

Marcus starts the week with 4 pints of milk. He uses three quarters of a pint on Monday, and half a pint on Tuesday. On Wednesday, he buys one more pint, but uses 300ml. He uses one-and-a-quarter pints on Thursday.

How much milk does he have left, in ml?

SPaG

In each sentence, state whether the underlined word is a preposition, or a subordinating conjunction.

1. After the meeting, all members of staff should return to their classrooms.

2. Children should remain in their seats until they are dismissed by the teacher.

3. After we have completed the jigsaw, we should take a photograph of it.

Word of the Day

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

diligent (adjective)

Definition – Careful; showing great care and pride in your work or task

Example – The report was only submitted after months of diligent research.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) 67 x 96 = 6432

2) 78 x 87 = 6786

3) 68 x 449 = 30,532

Daily Workout
Year 6
Week 18 - Monday

Mathematical Reasoning

One pint is equivalent to 568ml.

Marcus starts the week with 4 pints of milk. He uses three quarters of a pint on Monday, and half a pint on Tuesday. On Wednesday, he buys one more pint, but uses 300ml. He uses one and a quarter pints on Thursday.

How much milk does he have left, in ml?
1120ml

SPaG

In each sentence, state whether the underlined word is a preposition, or a subordinating conjunction.

1. After the meeting, all members of staff should return to their classrooms. Preposition

2. Children should remain in their seats until they are dismissed by the teacher. Subordinating Conj.

3. After we have completed the jigsaw, we should take a photograph of it. Subordinating Conj.

Word of the Day

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

diligent (adjective)

Definition – Careful; showing great care and pride in your work or task

Example – The report was only submitted after months of diligent research.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) 60,000 + 8000 + 300+ 7 =

2) 400,000 + 2000 + 40 + 9 =

3) 30,000 + _____ + 9 = 30,209

Daily Workout
Year 6
Week 18 -Tuesday

Mathematical Reasoning

The following scores were on the leader board for a computer game. Work out the mean of the scores, to 2 decimal places.

1. 2324
2. 1256
3. 951
4. 826

SPaG

Underline the nouns in the sentences below. Find any proper nouns and add capital letters to them.

1. John had always wanted to visit paris, especially on a train.

2. Natasha called for her mum, who was making everyone a drink.

3. Brian shouted, "Help mum! Help me!" The pain in his leg was now unbearable.

Word of the Day

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

innovate (verb)

Definition – Making changes or improvements, often to an existing or established product

Example – His ability to innovate meant he was perfect for the job at the technology company.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) 60,000 + 8000 + 300+ 7 = 68,307

2) 400,000 + 2000 + 40 + 9 = 402,049

3) 30,000 + 200 + 9 = 30,209

Mathematical Reasoning

The following scores were on the leader board for a computer game. Work out the mean of the scores, to 2 decimal places. Mean = 1339.25

1. 2324
2. 1256
3. 951
4. 826

Daily Workout
Year 6
Week 18 -Tuesday

SPaG

Underline the nouns in the sentences below. Find any proper nouns and add capital letters to them.

1. John had always wanted to visit Paris, especially on a train.
2. Natasha called for her mum, who was making everyone a drink.
3. Brian shouted, "Help Mum! Help me!" The pain in his leg was now unbearable.

In sentence 2, mum is describing the relationship between Natasha and her mum, so it is not a proper noun. In 3, Brian is using it as her name, so it is a proper noun.

Word of the Day

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

innovate (verb)

Definition – Making changes or improvements, often to an existing or established product

Example – His ability to innovate meant he was perfect for the job at the technology company.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) 50 x 70

2) 800 x 50

3) 0.4 x 700

Daily Workout
Year 6
Week 18 - Wednesday

Mathematical Reasoning

Look at the equations below. Add brackets in the correct places if required.

1) $56 - 21 \div 7 = 5$

2) $12 + 8 \times 3 = 36$

3) $16 + 15 \div 3 = 75 - 12 \div 3$

SPaG

Underline any prepositions in the following sentences.

1. Noel hid under a table, while Izzy went behind the door.

2. Jasmin stood in front of the door with her younger sister.

3. Tim bounded down the stairs; he could see a card from his friend on the doormat.

Word of the Day

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

predicament (noun)

Definition – A difficult or unpleasant situation

Example – I had put us in a predicament after accidentally accepting two wedding bookings in the hotel.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) 50 x 70 = 3500

2) 800 x 50 = 40,000

3) 0.4 x 700 = 280

Daily Workout
Year 6
Week 18 - Wednesday

Mathematical Reasoning

Look at the equations below. Add brackets in the correct places if required.

1) (56 – 21) ÷ 7 = 5

2) 12 + 8 x 3 = 36 No brackets required

3) 16 + 15 ÷ 3 = (75 – 12) ÷ 3

SPaG

Underline any prepositions in the following sentences.

1. Noel hid under a table, while Izzy went behind the door.

2. Jasmin stood in front of the door with her younger sister.

3. Tim bounded down the stairs; he could see a card from his friend on the doormat.

Word of the Day

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

predicament (noun)

Definition – A difficult or unpleasant situation

Example – I had put us in a predicament after accidentally accepting two wedding bookings in the hotel.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) $46 \div 1000$

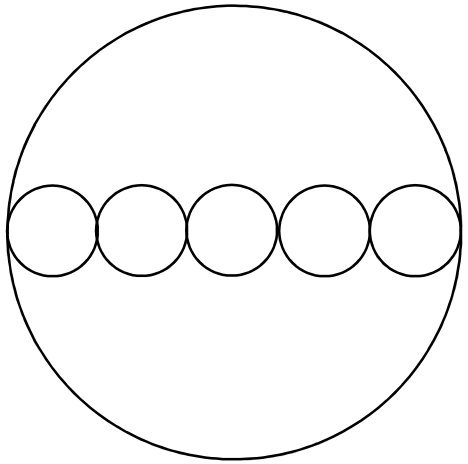
2) $3.89 \div 10$

3) $\_\_\_\_ \div 100 = 46.8$

Daily Workout
Year 6
Week 18 - Thursday

Mathematical Reasoning

Five small circles fit exactly across one larger circle. If each of the smaller circles has a radius of 12cm, what is the diameter of the larger circle?



SPaG

Read the passage below, adding a dash and 2 hyphens in the correct places.

After I passed to Joe, he moved towards the goal and took a shot if you could even call it that. With our exit from the semi final just seconds away, our heads began to drop. A half hearted final attempt from distance was all we could muster before the end. We were out of the cup!

Word of the Day

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

amiable (adjective)

Definition – Friendly and pleasant

Example – The porter who greeted us seemed to be an amiable man.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) $46 \div 1000 = 0.046$

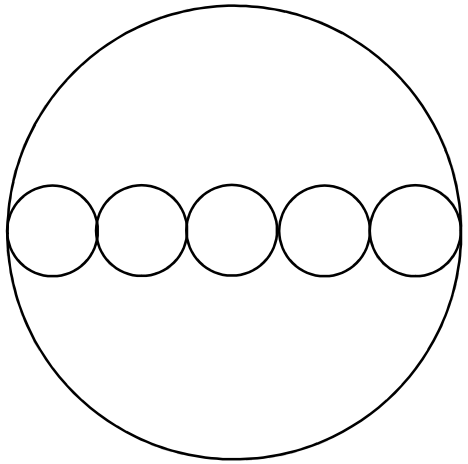
2) $3.89 \div 10 = 0.389$

3) $4680 \div 100 = 46.8$

Daily Workout
Year 6
Week 18 - Thursday

Mathematical Reasoning

Five small circles fit exactly across one larger circle. If each of the smaller circles has a radius of 12cm, what is the diameter of the larger circle? 120cm or 1.2m



SPaG

Read the passage below, adding a dash and 2 hyphens in the correct places.

After I passed to Joe, he moved towards the goal and took a shot – if you could even call it that. With our exit from the semi-final just seconds away, our heads began to drop. A half-hearted final attempt from distance was all we could muster before the end. We were out of the cup!

Word of the Day

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

amiable (adjective)

Definition – Friendly and pleasant

Example – The porter who greeted us seemed to be an amiable man.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) $4.7 + 5.82$

2) $3.08 + 14.74$

3) $2.056 + 11.87$

Daily Workout
Year 6
Week 18 - Friday

Mathematical Reasoning

Rachel ordered the following fractions. She says that she only needed to convert one of the fractions to its equivalent. How do you think she did it?

$$\frac{3}{6} \quad \frac{7}{9} \quad \frac{12}{7} \quad \frac{14}{19} \quad \frac{5}{11}$$

SPaG

Underline the possessive pronouns in the sentences below.

1. Billy brought the toy in; it is his.
2. The food is ours because we bought it.
3. If it isn't theirs, I don't know who to give it to.
4. That pen is mine and I want it back!

Word of the Day

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

diminish (verb)

Definition – To make less; to reduce in size or importance

Example – When the new manager arrived, he knew it would diminish his role at the company.

Primary Solutions

Arithmetic Fluency

Calculate the following:

1) $4.7 + 5.82 = 10.52$

2) $3.08 + 14.74 = 17.82$

3) $2.056 + 11.87 = 13.926$

Daily Workout
Year 6
Week 18 - Friday

Mathematical Reasoning

Rachel ordered the following fractions. She says that she only needed to convert one of the fractions to its equivalent. How do you think she did it?

$$\frac{3}{6} \quad \frac{7}{9} \quad \frac{12}{7} \quad \frac{14}{19} \quad \frac{5}{11}$$

12/7 is the only improper fraction, so this is the greatest. Of the proper fractions, one is less than half (5/11), so this is the smallest, and one is half (3/6) so this is second smallest. To compare 7/9 and 14/19, you can change 7/9 to 14/18. 14/18 is bigger than 14/19.

SPaG

Underline the possessive pronouns in the sentences below.

1. Billy brought the toy in; it is his.
2. The food is ours because we bought it.
3. If it isn't theirs, I don't know who to give it to.
4. That pen is mine and I want it back!

Word of the Day

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

diminish (verb)

Definition – To make less; to reduce in size or importance

Example – When the new manager arrived, he knew it would diminish his role at the company.

Primary Solutions

Daily Workout

Year 6

Week 18 - Coverage

	Monday	Tuesday	Wednesday	Thursday	Friday
Arithmetic	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication (6C7a)	Determine the value of each digit in numbers up to 1,000,000 (5N3a)	Multiply and divide numbers mentally drawing upon known facts (5C6a)	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (5C6b)	Solve problems involving numbers up to three decimal places (5F10)
Mathematical Reasoning	Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints (5M6)	Calculate and interpret the mean as an average (6S3)	Use their knowledge of the order of operations to carry out calculations involving the four operations (6C9)	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius (6G5)	Compare and order fractions, including fractions >1 (6F3)
SPaG	Subordinating conjunctions and prepositions (G3.4 / G1.7)	Nouns (G1.1)	Prepositions (G1.7)	Dashes & Hyphens (G5.12/ G5.13)	Possessive pronouns (G1.5a)
Word of the Day	Diligent	Innovate	Predicament	Amiable	Diminish

Primary Solutions