Arithmetic Fluency

Calculate the following:

1) $4\frac{2}{9} + 3\frac{3}{9}$

2) $2\frac{5}{6} + 9\frac{5}{6}$

3) $8\frac{1}{3} + 5\frac{1}{4}$

4) $1\frac{7}{8} + 3\frac{2}{6}$

Daily Workout
Year 6
Week 19 - Monday

Mathematical Reasoning

Malcolm and Jenny held a cake sale in their garden. They made £12.45 one day and £9.80 another.

They spent £2.35 each on some toys, and then split the remainder equally between themselves and their younger sister.

How much did their sister receive?

SPaG

Which of the following sentences are written in present perfect progressive tense?

1. I am gardening because the weather is warm.
2. I have been gardening because the weather is warm.
3. I had been gardening because the weather was warm.
4. I garden when the weather is warm.

Word of the Day

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

lacerated (adjective)

Definition – Torn; deeply cut, especially when referring to flesh

Example – Timmy was severely lacerated by the glass that smashed in front of him.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) $4\frac{2}{9} + 3\frac{3}{9} = 7\frac{5}{9}$

2) $2\frac{5}{6} + 9\frac{5}{6} = 12\frac{4}{6}$

3) $8\frac{1}{3} + 5\frac{1}{4} = 13\frac{7}{12}$

4) $1\frac{7}{8} + 3\frac{2}{6} = 5\frac{5}{24}$

Accept equivalent fractions

Daily Workout
Year 6
Week 19 - Monday

Mathematical Reasoning

Malcolm and Jenny held a cake sale in their garden. They made £12.45 one day and £9.80 another.

They spent £2.35 each on some toys, and then split the remainder equally between themselves and their younger sister.

How much did their sister receive? £5.85

SPaG

Which of the following sentences are written in present perfect progressive tense?

1. I am gardening because the weather is warm.
2. I have been gardening because the weather is warm. ✓
3. I had been gardening because the weather was warm.
4. I garden when the weather is warm.

Word of the Day

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

lacerated (adjective)

Definition – Torn; deeply cut, especially when referring to flesh

Example – Timmy was severely lacerated by the glass that smashed in front of him.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) 86 x 9

2) 267 x 6

3) 7 x 319

Daily Workout
Year 6
Week 19 - Tuesday

Mathematical Reasoning

Explain why each of the following numbers cannot be prime – and must be composite.

4370 117

186 215

SPaG

Which sentence is more formal in each case?

1a. The children thoroughly enjoyed their recent school trip.
1b. The children had a brill time on the school trip the other day.

1a. I'd love it if you could come to ours tomorrow.
1b. I would be delighted if you could come to our house tomorrow.

Word of the Day

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

improvise (verb)

Definition – produce something from whatever is available; to create and perform without preparation

Example – I didn't think she would make anything useful given the materials on offer, but she really showed her ability to improvise.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) 86 x 9 = 774

2) 267 x 6 = 1602

3) 7 x 319 = 2233

Mathematical Reasoning

Explain why each of the following numbers cannot be prime – and must be composite.

4370
Divides by 10, so 1, 4370 and 10 are factors

117
Divides by 3, so 1, 117 and 3 are factors

186
Even number, so 1, 186 and 2 are factors

215
Divides by 5, so 1, 215 and 5 are factors

The numbers have others factors, but to prove that a number is composite, you only need to show that it has 3 factors.

Daily Workout
Year 6
Week 19 - Tuesday

SPaG

Which sentence is more formal in each case?

1a. The children thoroughly enjoyed their recent school trip. ✓
1b. The children had a brill time on the school trip the other day.

1a. I'd love it if you could come to ours tomorrow.
1b. I would be delighted if you could come to our house tomorrow. ✓

Word of the Day

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

improvise (verb)

Definition – produce something from whatever is available; to create and perform without preparation

Example – I didn't think she would make anything useful given the materials on offer, but she really showed her ability to improvise.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) $\frac{2}{9} \div 2$

2) $\frac{5}{11} \div 6$

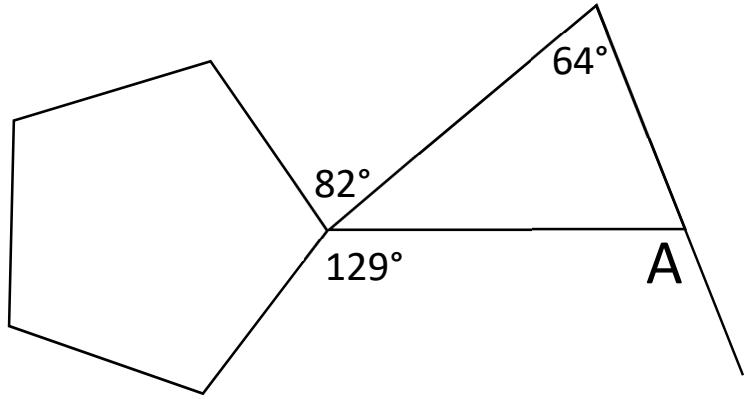
3) $\frac{9}{17} \div 3$

4) $\frac{4}{23} \div 7$

Daily Workout
Year 6
Week 19 - Wednesday

Mathematical Reasoning

The shape on the left is a regular pentagon. Calculate the size of the missing angle, A.



SPaG

Add capital letters in the correct places below.

1. the policeman turned and shouted, "stop thief!"
2. the great barrier reef, in australia, is being damaged by tourists each year.
3. harry started at weston primary school in september.
4. john lewis' christmas adverts are always very entertaining.

Word of the Day

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

cynical (adjective)

Definition – A belief that someone is only interested in themselves and is insincere

Example – I am always extremely cynical about anyone who phones to offer me a 'special deal'.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) $\frac{2}{9} \div 2 = \frac{1}{9}$

2) $\frac{5}{11} \div 6 = \frac{5}{66}$

3) $\frac{9}{17} \div 3 = \frac{3}{17}$

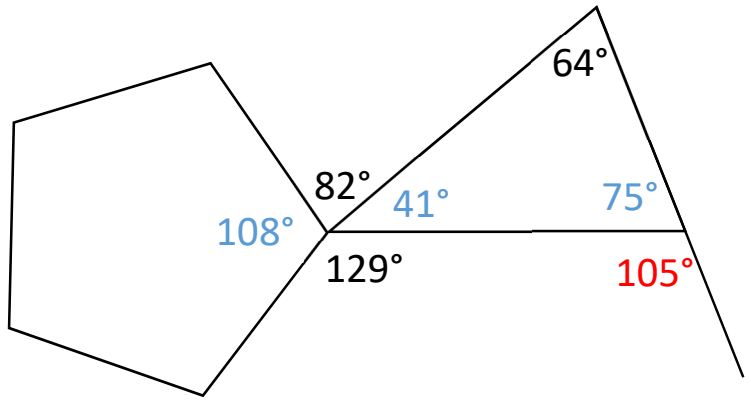
4) $\frac{4}{23} \div 7 = \frac{4}{161}$

Accept equivalent fractions

Daily Workout
Year 6
Week 19 - Wednesday

Mathematical Reasoning

The shape on the left is a regular pentagon. Calculate the size of the missing angle, A.



SPaG

Add capital letters in the correct places below.

1. The policeman turned and shouted, "Stop thief!"
2. The Great Barrier Reef, in Australia, is being damaged by tourists each year.
3. Harry started at Weston Primary School in September.
4. John Lewis' Christmas adverts are always very entertaining.

Word of the Day

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

cynical (adjective)

Definition – A belief that someone is only interested in themselves and is insincere

Example – I am always extremely cynical about anyone who phones to offer me a 'special deal'.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) 340 x 10 =

2) 4.28 x 1000 =

3) ____ x 100 = 2.8

Daily Workout
Year 6
Week 19 - Thursday

Mathematical Reasoning

Use the number cards to fill in the missing numbers and make the equations correct.

$\frac{\quad}{6} \times \frac{3}{4} = \frac{3}{\quad}$ $\qquad$ $\frac{7}{12} \times \frac{\quad}{6} = \frac{\quad}{18}$

8	4	5	7

SPaG

In each sentence below, mark the nouns (n), the verbs (v), the adverbs (adv) and the adjectives (adj).

1. Scared and confused, Paul ran quickly across the market square, clutching the leather bag in his hands.

2. Debbie increased her speed as she glanced over her shoulder nervously; the strange noise was definitely following her.

Word of the Day

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

sinister (adjective)

Definition – giving or conveying the feeling that something bad or evil is happening or will happen soon

Example – The sinister cackle from just outside the window stopped Mark in his tracks.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) 340 x 10 = 3400

2) 4.28 x 1000 = 4280

3) 0.028 x 100 = 2.8

Daily Workout
Year 6
Week 19 - Thursday

Mathematical Reasoning

Use the number cards to fill in the missing numbers and make the equations correct.

$\frac{5}{6} \times \frac{3}{4} = \frac{3}{8}$ $\quad\quad$ $\frac{7}{12} \times \frac{4}{6} = \frac{7}{18}$

8	4	5	7

SPaG

In each sentence below, mark the nouns (n), the verbs (v), the adverbs (adv) and the adjectives (adj).

1. Scared (adj) and confused (adj), Paul (n) ran (v) quickly (adv) across the market (n) square (n), clutching (v) the leather (adj) bag (n) in his hands (n).

2. Debbie (n) increased (v) her speed (n) as she glanced (v) over her shoulder (n) nervously (adv); the strange (adj) noise (n) was (v) definitely following (v) her.

Word of the Day

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

sinister (adjective)

Definition – giving or conveying the feeling that something bad or evil is happening or will happen soon

Example – The sinister cackle from just outside the window stopped Mark in his tracks.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) $\frac{3}{4} \times \frac{2}{7}$

2) $\frac{5}{8} \times \frac{8}{9}$

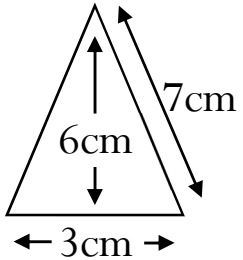
3) $\frac{11}{12} \times \frac{5}{9}$

4) $\frac{2}{13} \times \frac{5}{11}$

Daily Workout
Year 6
Week 19 - Friday

Mathematical Reasoning

Explain the errors and calculate the correct area of the triangle.



- 3 x 7 is 21, so the area is 21cm^2
- 3 x 6 is 18, so the area is 18cm^2

SPaG

Underline the pronouns in the sentences below.

1. We ran all the way to the park, where we met up with some friends from school.
2. They are too cold to eat now.
3. I wanted to see it, but you took it away before I got the chance.

Word of the Day

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

pompous (adjective)

Definition – serious or solemn; self-important

Example – The pompous Emperor stared down at the gladiators, nodding slightly to acknowledge their salute.

Primary Solutions

© Copyright Primary Solutions 2019

Arithmetic Fluency

Calculate the following:

1) $\frac{3}{4} \times \frac{2}{7} = \frac{6}{28}$

2) $\frac{5}{8} \times \frac{8}{9} = \frac{40}{72}$

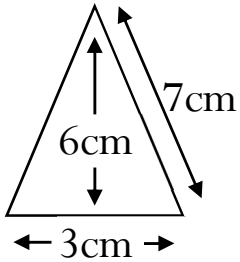
3) $\frac{11}{12} \times \frac{5}{9} = \frac{55}{108}$

4) $\frac{2}{13} \times \frac{5}{11} = \frac{10}{143}$

Daily Workout
Year 6
Week 19 - Friday

Mathematical Reasoning

Explain the errors and calculate the correct area of the triangle.



- 3 x 7 is 21, so the area is 21cm^2
- 3 x 6 is 18, so the area is 18cm^2

Both these methods forgot to halve the answer, and the first one also used the wrong measurement. The correct answer is found by multiplying 3x6, and then dividing by 2(or multiplying by half). Area = 9cm^2

SPaG

Underline the pronouns in the sentences below.

1. We ran all the way to the park, where we met up with some friends from school.
2. They are too cold to eat now.
3. I wanted to see it, but you took it away before I got the chance.

Word of the Day

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

pompous (adjective)

Definition – serious or solemn; self-important

Example – The pompous Emperor stared down at the gladiators, nodding slightly to acknowledge their salute.

Primary Solutions

© Copyright Primary Solutions 2019

Daily Workout

Year 6

Week 19 - Coverage

	Monday	Tuesday	Wednesday	Thursday	Friday
Arithmetic	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (6F4)	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)	Divide proper fractions by whole numbers (6F5b)	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (5C6b)	Multiply simple pairs of proper fractions, writing the answer in its simplest form (6F5a)
Mathematical Reasoning	Use all four operations to solve problems involving measures [money] using decimal notation, including scaling (5M9a)	Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers (5C5b)	Find unknown angles in any triangles, quadrilaterals and regular polygons (6G4a)	Multiply simple pairs of proper fractions, writing the answer in its simplest form (6F5a)	Calculate the area of parallelograms and triangles (6M7b)
SPaG	Perfect Progressive Tense (G4.1b)	Formal and informal vocabulary (G7.2)	Capital Letters (G5.1)	Word Classes (G1)	Pronouns (G1.5)
Word of the Day	Lacerated	Improvise	Cynical	Sinister	Pompous

Primary Solutions

© Copyright Primary Solutions 2019