Menu

Week 5 Day 1

Fluency

Complete these questions.

1. 495 - 100 = Reveal answer

2. ☐ = 7 × 12 Reveal answer

3. 350 ÷ 25 = Reveal answer

4. 708 × 60 = Reveal answer

5. 94 493 - 27 307 = Reveal answer

6. 11.8 + 8.083 = Reveal answer

Problem Solving

George leaves band practice at the time shown on the clock. His practice lasts 1 hour and 50 minutes. At what time does his practice start?

Reveal answer

Reasoning

$\frac{10}{20} \div 5 = \frac{1}{10}$

Prove it!

Menu

Week 5 Day 2

Fluency

Complete these questions.

1. 847 + 1000 = Reveal answer

2. ☐ = 3.75 + 1.809 Reveal answer

3. $\frac{15}{20} \div 5$ = Reveal answer

4. $\frac{3}{7} \times 6$ = Reveal answer

5. 10 393 – 5736 = Reveal answer

6. 0.8 ÷ 1 = Reveal answer

Problem Solving

Pavel thinks of a number less than 35. He adds 9 to the number. Then he divides the number by 4 and uses the result to subtract 4.9. His answer is 5.1. What number did he start with?

Reveal answer

Reasoning

Which is the odd one out?

Menu

Week 5 Day 3

Fluency

Complete these questions.

1. $42 \div 1 =$ Reveal answer

2. $\square = 0.04 \div 10$ Reveal answer

3. $82.5 + 45.65 =$ Reveal answer

4. $427 \times 4 =$ Reveal answer

5. $\frac{8}{16} - \frac{3}{16} =$ Reveal answer

6. $\frac{4}{6} \times \frac{3}{5} =$ Reveal answer

Problem Solving

Nikita had some money. She spent £1.50 on a fruit snack and £1.35 on a drink. She has six-eighths of her money left. How much money did Nikita have to start with?

Reveal answer

Reasoning

16 more than -4 is -12.

True or false?

Explain your reasoning.

Menu

Week 5 Day 4

Fluency

Complete these questions.

1. $372 - 9 =$ Reveal answer

2. $\square = 37.55 + 7.89$ Reveal answer

3. $310 \div 5 =$ Reveal answer

4. $47 \times 8 =$ Reveal answer

5. $38\,349 - 17\,484 =$ Reveal answer

6. $4.05 \times 10 =$ Reveal answer

Problem Solving

What is the value of a?

$$4a - 12 = 80$$

Reveal answer

Reasoning

The sum of 2 fractions is always greater than their product. Is this statement true?

Explain your reasoning.

Menu

Week 5 Day 5

Fluency

Complete these questions.

1. 84.7 - 10 = Reveal answer

2. $\square$ = 3.75 + 78.9 Reveal answer

3. 8400 ÷ 15 = Reveal answer

4. $\frac{3}{7} \times 8$ = Reveal answer

5. $\frac{7}{8} - \frac{3}{16}$ = Reveal answer

6. 0.084 × 1000 = Reveal answer

Problem Solving

Write the three missing digits to make this addition correct.

		3	
+	2		5
9	1	9	

Reveal answer

Reasoning

Pavel says that any net made of 6 squares can always be folded to make a cube. Do you agree?

Explain your reasoning.

Day 1:

1. 395
2. 84
3. 14
4. 42 480
5. 67.186
6. 19.883

12.55

Day 2:

1. 1847
2. 5.559
3. 3/20
4. 2 and four sevenths
5. 4657
6. 0.8

31

Day 3:

1. 42
2. 0.004
3. 128.15
4. 1708
5. 5/16
6. 2/5

£11.40

Day 4:

1. 363
2. 45.44
3. 62
4. 376
5. 20.865
6. 40.5

a = 23

Day 5:

1. 74.7
2. 82.65
3. 560
4. 3 and 3/7
5. 11/16
6. 84

634 + 285