Year 6 Maths Gaps Quiz

Let's get started!

Question 1

Write the number **'four hundred and six thousand and ten'** in digits
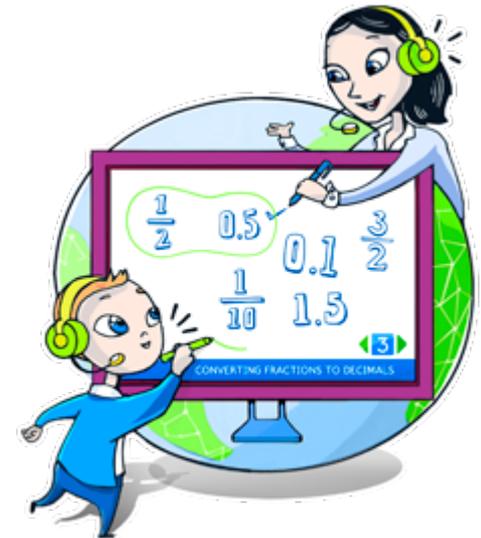
Answer

Question 2

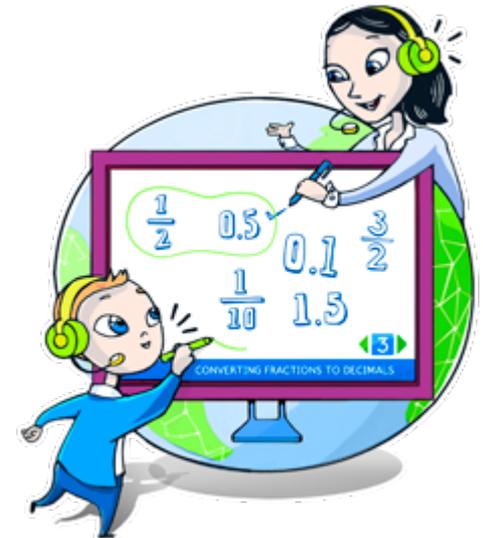What is the value of the digit '**7**' in this number:

$$3042.\underline{7}5$$

Answer

Question 3

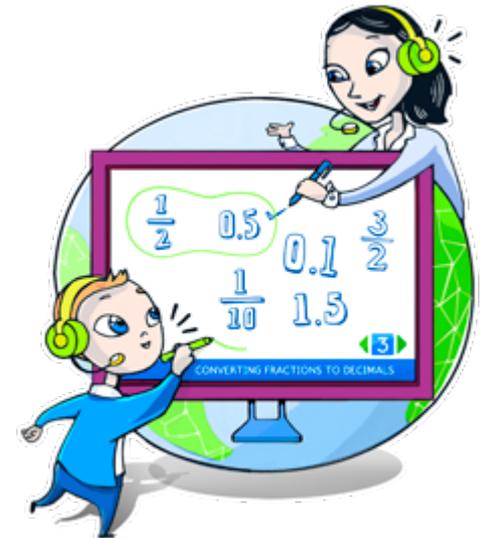Today it is -26° C in Alaska, yesterday it was 8° C warmer. What was yesterday's temperature?
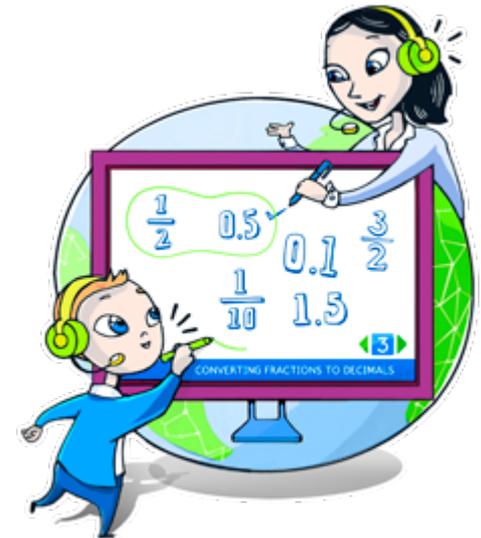
Answer

Question 4

What is 709 ÷ 100 =

Answer
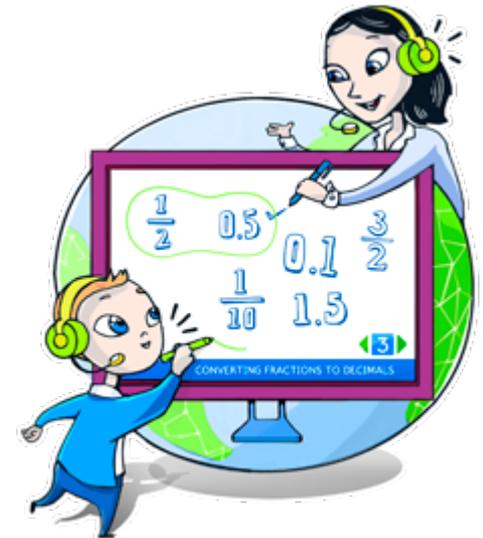
Question 5

Round 37 386 to the nearest 1000

Answer

Question 6
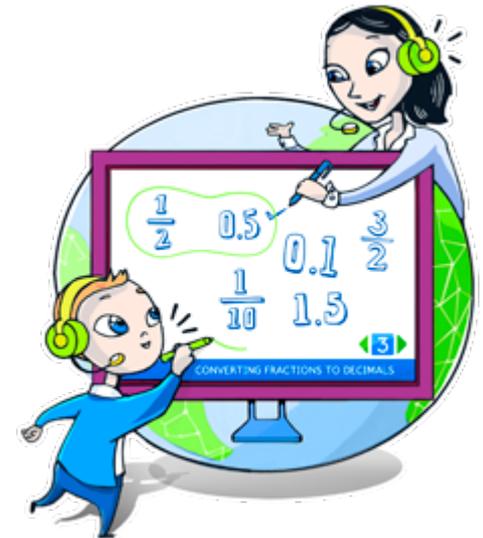
What is the value of this Roman numeral?

CCXLVI

Answer

Question 7

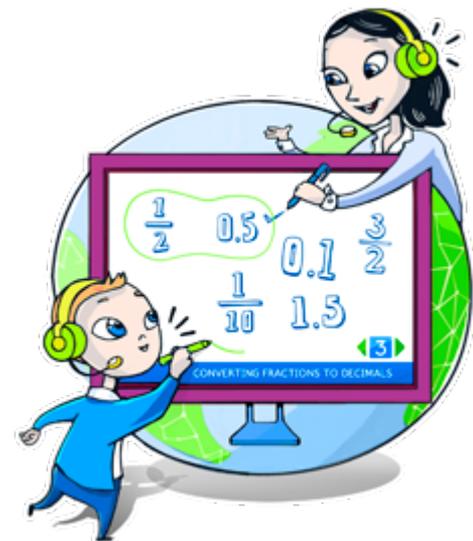Complete the next **two** terms in this sequence:

14, 11, 8, 5, _____ , _____
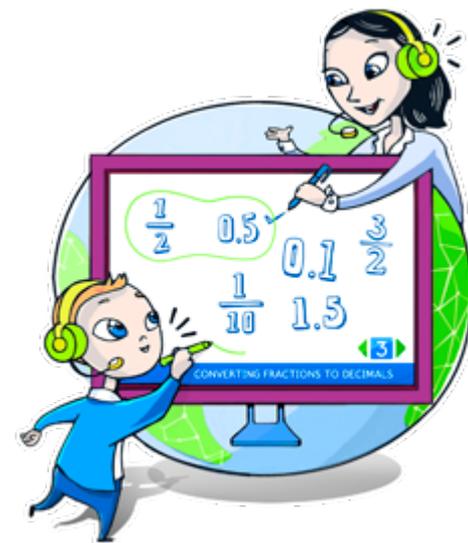
Answer

Question 8

Work out 26 029 – 7 436 =

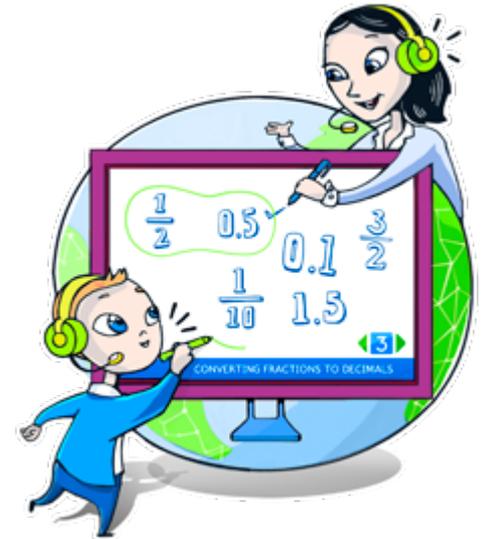Answer

Question 9a

Add mentally:

40 324 + 2 999 =

Answer

Question 9b

Add mentally:

40 324 + 2 999 =

Explain your method below:

Question 10

Use rounding- which answer would be the closest estimate?

12 487 - 4 059

Circle **one** answer
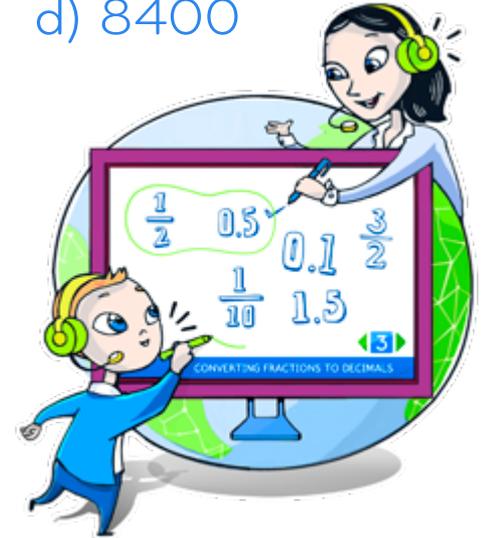
a) 9000   b) 16 600   c) 16 000   d) 8400

Answer

Question 11

A crisp factory needs to make **70 632** bags of crisp for next day delivery. The morning workers make **26 935** bags and the afternoon workers make **27 308**; how many bags of crisps will the night-time workers need to make?
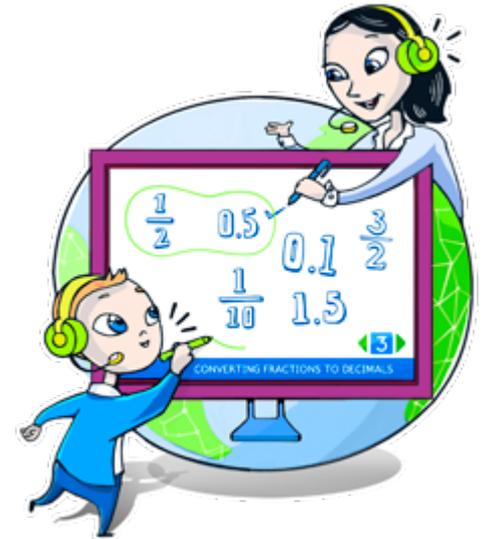
Show your working out below:

Answer

Question 12

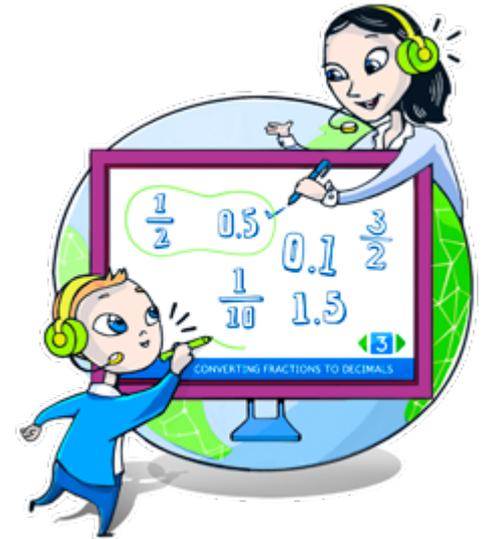List all the factors of 36 (Hint—it's easier to get them all when you list them as factor pairs.)

Answer

Question 13

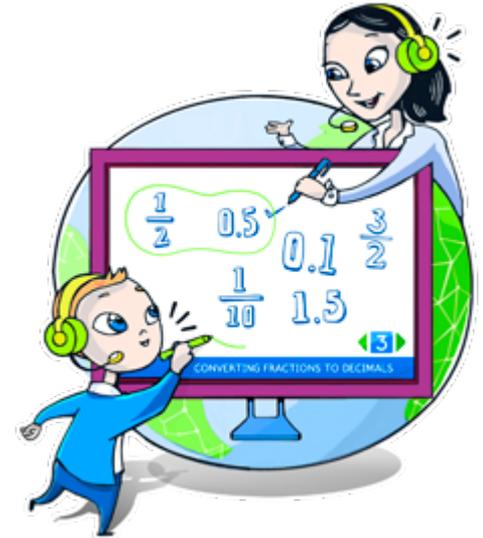7 and 13 are **prime numbers**—

explain how you know.
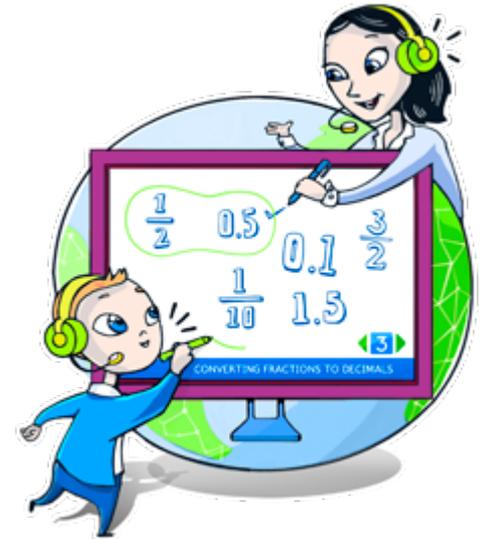
Answer

Question 14

What are the **prime factors** of 12?
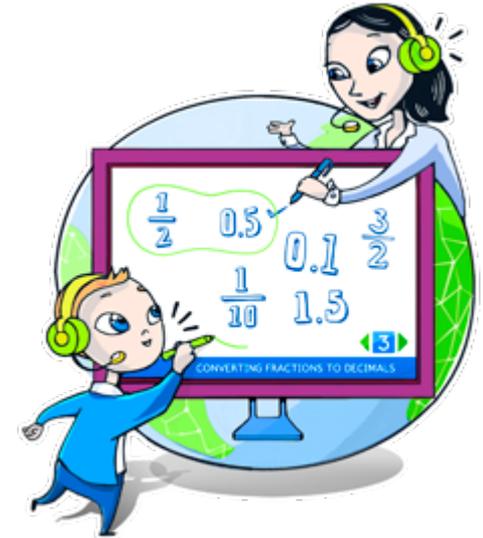
Answer

Question 15

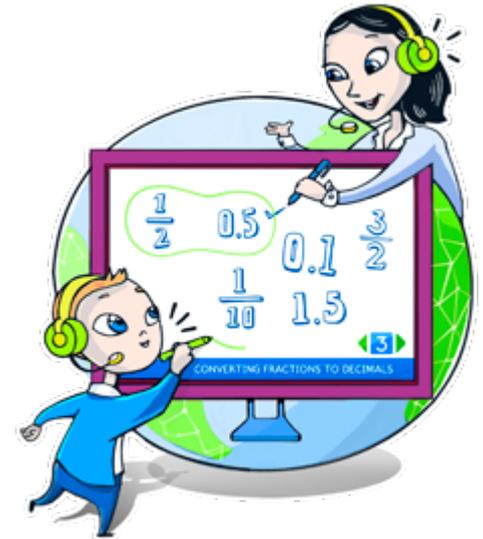7385 x 3 =

Answer

Question 16

$$8531 \div 5 =$$

Answer

Question 17

a) $8^2 =$

b) $5^3 =$
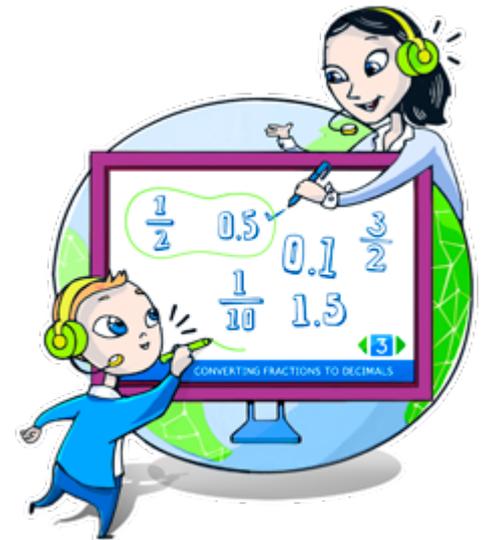
Answer

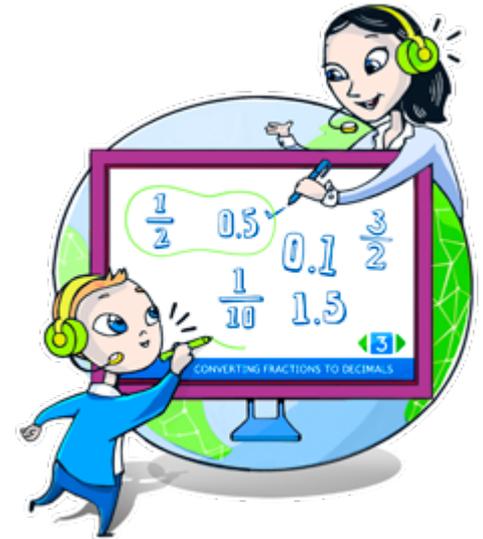# Question 18

Write down the highest common factor of 12 and 18
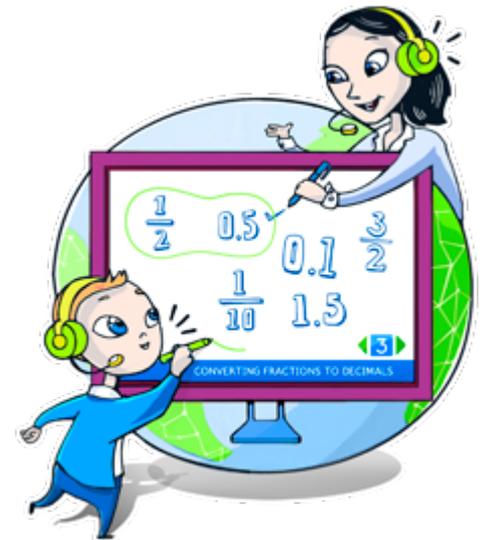
Answer

Question 19

49.3 x 1000 =

Answer

Question 20

Jayden has 7 marbles but Abigail has four times as many as Jayden. Tom has twice as   many as Jayden and Abigail altogether. How many marbles does Tom have?
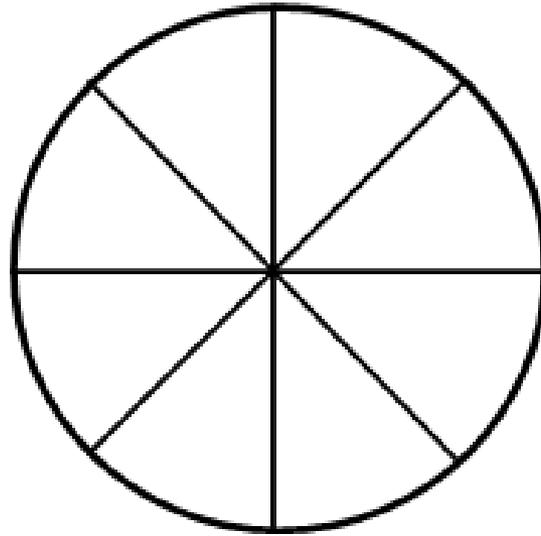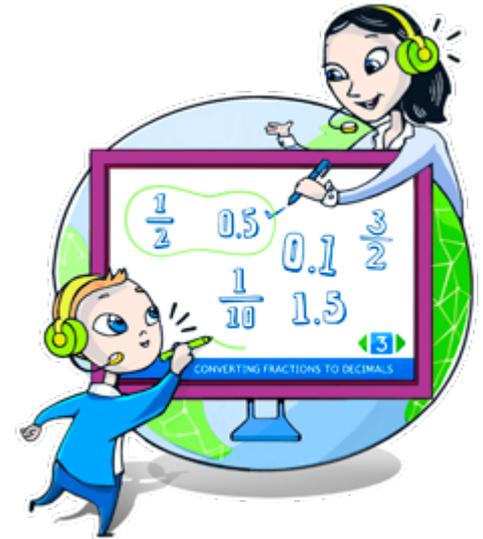
Show your working out below:

Answer

Question 21
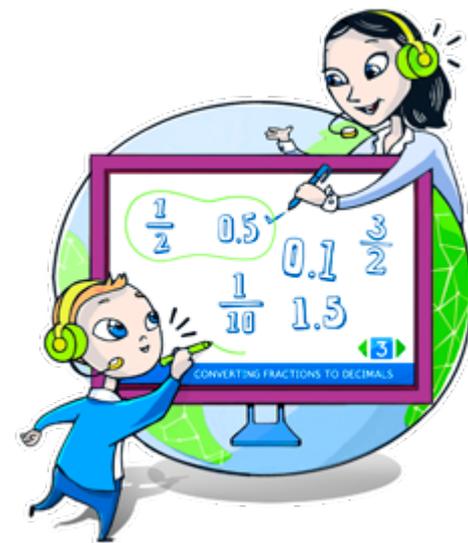
Shade in ¾ of my pizza

Answer

Question 22

Complete these equivalent fractions:

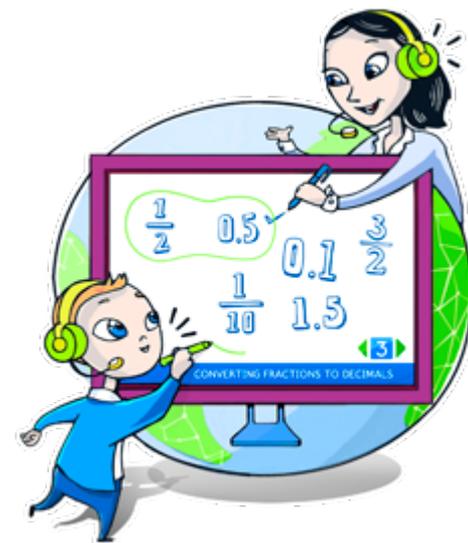$$\frac{4}{7} = \frac{12}{\quad} \qquad \frac{9}{36} = \frac{\quad}{4}$$

Answer

Question 23

Put these fractions in order from the biggest to the smallest

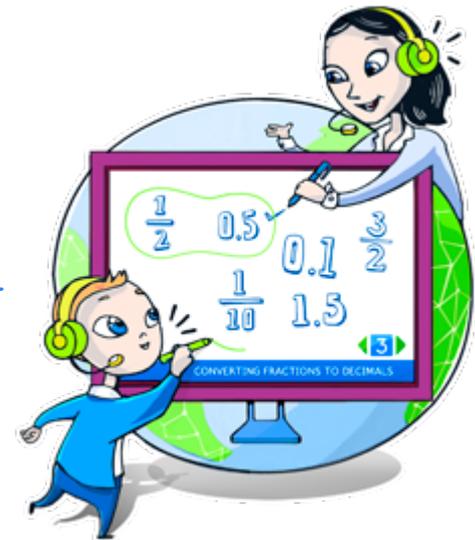$$\frac{3}{4} \quad \frac{1}{2} \quad \frac{7}{8} \quad \frac{9}{16}$$

Answer

Question 24

Write this fraction as:

$$\frac{9}{20} = \boxed{} \% = \boxed{}$$

a) a percentage   b) a decimal number

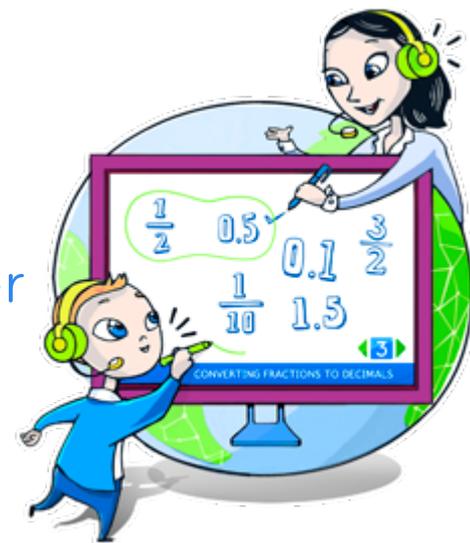Answer $\boxed{}$ $\boxed{}$

Question 25

Write your answer as:

$$\frac{3}{7} + \frac{6}{7} =$$

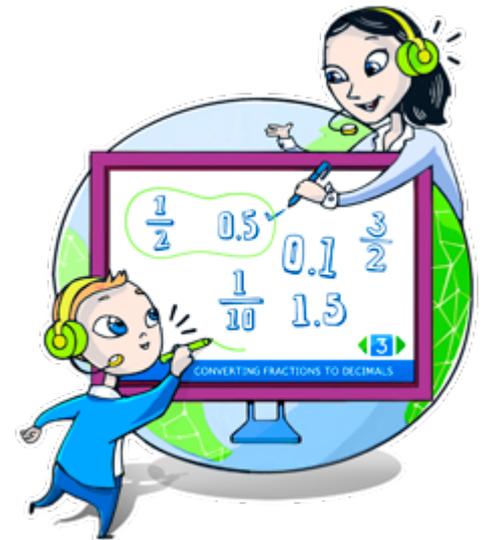a) improper fraction   b) mixed number
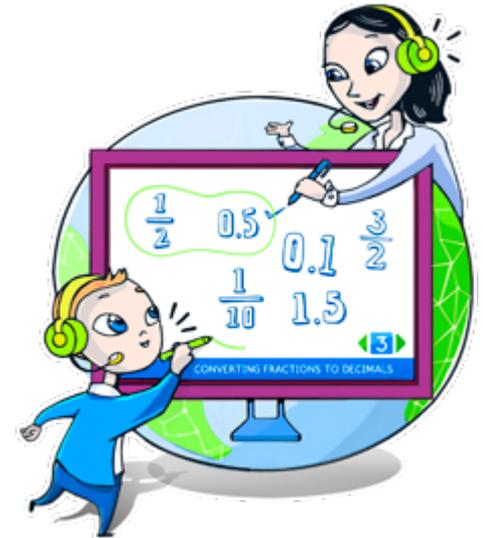
Answer

Question 26

$$\frac{7}{8} - \frac{4}{16} =$$
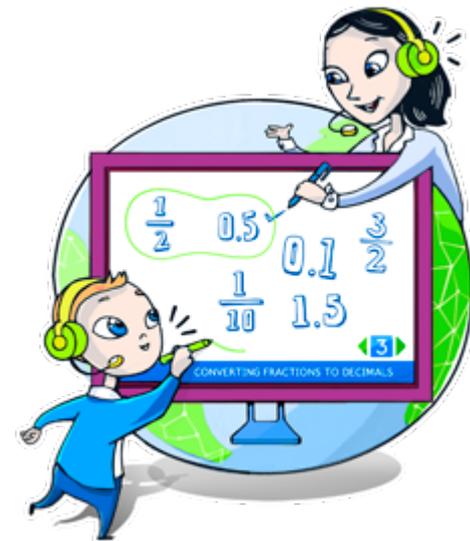
Answer

Question 27

$$1\frac{2}{9} \times 3 =$$

Answer

Question 28

Round **48.61** to the nearest whole number

Answer

Great Job!

Congratulations, you're all finished!