

Topic: Decimals

<p>1. Which is the correct expanded form of the decimal fraction 2.54</p> <p>a) <math>(2 \times 1) + (5 \times 1) + (4 \times \frac{1}{100})</math></p> <p>b) <math>(2 \times 10) + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100})</math></p> <p>c) <math>(2 \times 1) + (5 \times \frac{1}{10}) + (4 \times \frac{1}{100})</math></p>
<p>1. Write the following mixed number as a decimal: <math>7 \frac{3}{10}</math></p> <p>Answer: _____</p>
<p>2. What will 2.85 be as a mixed number</p> <p>a) <math>2 \frac{85}{10}</math></p> <p>b) <math>2 \frac{85}{100}</math></p> <p>c) <math>2 \frac{17}{20}</math></p> <p>d) <math>2 \frac{85}{1000}</math></p>
<p>3. The value of the underlined digit in the number: 39.5<u>1</u> is</p> <p>a) 1            b) <math>\frac{1}{10}</math>            c) <math>\frac{1}{100}</math>            d) <math>\frac{10}{1}</math></p>
<p>4. How much less than 8 is 1.36?</p> <p>Answer: _____</p>
<p>5. Solve <math>98 \times .34</math></p> <p>Answer: _____</p>
<p>6. Find the quotient when 36.9 is divided by 0.9.</p> <p>Answer: _____</p>
<p>7. Calculate <math>\frac{7}{10} + \frac{6}{100}</math> and write your answer in decimal form</p> <p>Answer: _____</p>
<p>8. The mass of 40 packs of biscuits is 6.4 kg. Each pack has 5 biscuits. What is the mass, in grams, of one biscuit?</p> <p>Answer: _____</p>
<p>9. There are 40 balls in a bag. Ten are red, 25 are blue and the rest are green, What decimal will represent the balls that are green?</p> <p>Answer: _____</p>

10. Stephan has 480 pencils. If 0.2 of the pencils are blue, 0.4 are red and the rest are equally divided into yellow and green, calculate how many are green.

Answer: \_\_\_\_\_

11. In a school of 320 pupils, 0.25 are girls and the rest are boys. If .4 of the boys have a bicycle, how many boys do not have a bicycle?

Answer: \_\_\_\_\_

Topic: Percentages

1. What is 50% as a fraction in its lowest form.

- a)  $\frac{50}{100}$       b)  $\frac{5}{10}$       c)  $\frac{1}{4}$       d)  $\frac{1}{2}$

2. Express 0.08 as a percentage

Answer: \_\_\_\_\_

3. Change 46% to a decimal

Answer: \_\_\_\_\_

4. What is 150% of \$14

Answer: \_\_\_\_\_

5. Sita had 50 mangoes. 35 were green and the rest were ripe. What percentage of the mangoes were ripe?

Answer: \_\_\_\_\_

6. An extra long bus has 2 sections:

The Front: There are 14 rows of seats with 4 seats in each row.

The Back: There are 12 rows of seats with 5 seats in each row.

Due to weight regulations, the bus is only allowed to be filled to 80% of its total seating capacity.

What is the minimum number of passengers the bus can legally carry?

**What two operations do you need to use to solve this question?**

**Addition                      Multiplication**

**Subtraction                      Division**

Answer: \_\_\_\_\_

7. Over a three-day weekend, a bakery sold a total of 1250 pastries. On Friday, the bakery sold 225 pastries. On Sunday, they sold 450 pastries. What percentage of the total pastries did the bakery sell on Sunday?

Answer: \_\_\_\_\_