



Year 8 Worksheet 2: Working with numbers

Question 1: Answer the following. (NO CALCULATOR)

1	Evaluate 0.2×75 . A. 15 B. 10 C. 20 D. 7.5
2	Convert $\frac{1}{3}$ to a decimal. A 0.13 B 1.3 C 3.1 D 0.333
3	If a car travels at a speed of 60 kilometers per hour for 2 hours, how far does it travel? A. 120 kilometers B. 30 kilometers C. 90 kilometers D. 180 kilometers
4	Evaluate 5^2 . A. 25 B. 10 C. 15 D. 30
5	Simplify $3^2 + 3^2$. A. 32 B. 64 C. 18 D. 23



6	Evaluate $4 \times (-5)^2$. A. 100 B. -100 C. -25 D. 25
7	Calculate $144 \div 12$. A. 12 B. 24 C. 8 D. 6
8	Between which two numbers does 55 lie? A. 40 and 50 B. 50 and 60 C. 30 and 40 D. 60 and 70
9	Evaluate $15 - [2 \times (8 - 4)]$. A. 11 B. 7 C. 3 D. 19
10	If you subtract 15 from a number and get 27, what is that number? A. 12 B. 42 C. 27 D. 15



Question 2: Answer the following.

1	Sarah has \$35.5, and she wants to buy a toy that costs \$18.5. How much money will she have left after buying the toy?
2	If you add three consecutive odd numbers and get 45, what are the numbers?
3	A rectangle has a length of 12 cm and a width of 8 cm. Find its area.
4	If you multiply a number by 6 and then subtract 9, you get 27. What is the number?
5	Convert 1% to a decimal.



6	The square of a number is 121. What is the number?
7	A car travels at a constant speed of 75 kilometers per hour. How long does it take to travel 225 kilometers?
8	A store sells a pair of shoes for \$60, and they have a 20% off sale. What is the discounted price of the shoes?
9	A recipe calls for $\frac{1}{4}$ cup of sugar, but you only want to make half of the recipe. How much sugar do you need?
10	<p>Bananas cost \$3.40 per kg. Harkiran bought 1.3 kg of bananas.</p> <p>a. Calculate the total cost of the bananas, correct to the nearest 5 cents.</p> <p>b. Calculate Harkiran's change if she pays for the bananas with a \$10 note.</p>



Personalised English & Math Tutoring

Redeem Free Assessment





Answer Key

Question 1: Answer the following. (NO CALCULATOR)

1	<p>Evaluate 0.2×75.</p> <p>A. 15 B. 10 C. 20 D. 7.5</p> <p>Answer: A. 15</p>
2	<p>Convert $\frac{1}{3}$ to a decimal.</p> <p>A 0.13 B 1.3 C 3.1 D 0.333</p> <p>Answer: D. 0.333</p>
3	<p>If a car travels at a speed of 60 kilometers per hour for 2 hours, how far does it travel?</p> <p>A. 120 kilometers B. 30 kilometers C. 90 kilometers D. 180 kilometers</p> <p>Answer: A. 120 kilometers</p>
4	<p>Evaluate 5^2.</p> <p>A. 25 B. 10 C. 15 D. 30</p> <p>Answer: A. 25</p>



5	<p>Simplify $3^2 + 3^2$.</p> <p>A. 32 B. 64 C. 18 D. 23</p> <p>Answer: C. 18</p>
6	<p>Evaluate $4 \times (-5)^2$.</p> <p>A. 100 B. -100 C. -25 D. 25</p> <p>Answer: A. 100</p>
7	<p>Calculate $144 \div 12$.</p> <p>A. 12 B. 24 C. 8 D. 6</p> <p>Answer: A. 12</p>
8	<p>Between which two numbers does 55 lie?</p> <p>A. 40 and 50 B. 50 and 60 C. 30 and 40 D. 60 and 70</p> <p>Answer: B. 50 and 60</p>
9	<p>Evaluate $15 - [2 \times (8 - 4)]$.</p> <p>A. 11 B. 7 C. 3 D. 19</p> <p>Answer: B. 7</p>



10	<p>If you subtract 15 from a number and get 27, what is that number?</p> <p>A. 12 B. 42 C. 27 D. 15</p> <p>Answer: B. 42</p>
----	--

Question 2: Answer the following.

1	<p>Sarah has \$35.5, and she wants to buy a toy that costs \$18.5. How much money will she have left after buying the toy?</p> <p>Answer: \$17</p>
2	<p>If you add three consecutive odd numbers and get 45, what are the numbers?</p> <p>Answer: 13, 15, and 17</p>
3	<p>A rectangle has a length of 12 cm and a width of 8 cm. Find its area.</p> <p>Answer: 96 square cm</p>
4	<p>If you multiply a number by 6 and then subtract 9, you get 27. What is the number?</p> <p>Answer: 6</p>
5	<p>Convert 1% to a decimal.</p> <p>Answer: 1.4</p>
6	<p>The square of a number is 121. What is the number?</p> <p>Answer: 11</p>
7	<p>A car travels at a constant speed of 75 kilometers per hour. How long does it take to travel 225 kilometers?</p> <p>Answer: 3 hours</p>
8	<p>A store sells a pair of shoes for \$60, and they have a 20% off sale. What is the discounted price of the shoes?</p> <p>Answer: \$48</p>
9	<p>A recipe calls for $\frac{1}{4}$ cup of sugar, but you only want to make half of the recipe. How much sugar do you need?</p>



	Answer: $\frac{1}{8}$ cup
10	<p>Bananas cost \$3.40 per kg. Harkiran bought 1.3 kg of bananas.</p> <p>a. Calculate the total cost of the bananas, correct to the nearest 5 cents. Answer: $\\$4.42 = \\4.40</p> <p>b. Calculate Harkiran's change if she pays for the bananas with a \$10 note. Answer: \$5.58 or \$5 and 60c</p>