

Percentage Word Problems Worksheet

10 questions, easy to hard. Answer key on page 2.

Name: _____

Date: _____

Find the whole first: it is the amount the percentage is of. Turn each percentage into a decimal, then use $\text{part} = \text{rate} \times \text{whole}$. Show your working before you check the key.

1. What is 15% of 240?

2. What percent of 80 is 20?

3. 12 is 30% of what number?

4. A \$65 pair of shoes is 20% off. What is the sale price?

5. A \$120 bill has a 15% tip added. What is the total?

6. A phone rises in price from \$400 to \$460. What is the percent increase?

7. A share falls from \$50 to \$42. What is the percent decrease?

8. After a 25% increase a bike costs \$250. What did it cost before?

9. A \$90 item is 10% off, then a further 10% off. What is the final price?

10. A recipe uses 2.5 cups of flour and is scaled up by 40%. How much flour does it need?

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Answer key

Check your work against the method, not just the final number.

Q	Answer	Working
1	36	$0.15 \times 240 = 36$
2	25%	$20 \div 80 = 0.25$
3	40	$12 \div 0.30 = 40$
4	\$52	$65 \times 0.80 = 52$
5	\$138	$120 \times 1.15 = 138$
6	15% increase	$(460 - 400) \div 400 = 0.15$
7	16% decrease	$(42 - 50) \div 50 = -0.16$
8	\$200	$250 \div 1.25 = 200$
9	\$72.90	$90 \times 0.9 = 81$, then $81 \times 0.9 = 72.90$ (not 20% off)
10	3.5 cups	$2.5 \times 1.4 = 3.5$

Common slips: taking the percentage of the wrong number (question 9: two 10% discounts are 19% off, not 20%), dividing a change by the new value instead of the old (questions 6 and 7), and adding a percentage back to reverse a discount or increase (question 8: divide by 1.25).