

Part Percent Whole

3 In Context - shade the bar to match the problem. The whole is the full bar.

10. Keisha has read 84 pages of her book. That is 35% of the whole book. How many pages does the book have?

[illegible]

The book has _____ pages.

11. This month the tip jar holds \$18. That is 120% of what it held last month. How much did it hold last month?

Last month the jar held



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Answer Key

Part Percent Whole

1 Set Up the Relationship

1. What is 30% of 60?

$$\frac{18}{60} = \frac{30}{100}$$

Part = 18

2. 12 is what percent of 48?

$$\frac{12}{48} = \frac{25}{100}$$

Percent = 25%

3. 24 is 40% of what number?

$$\frac{24}{60} = \frac{40}{100}$$

Whole = 60

2 Read Before You Compute

4. 150% of 40



$$1.5 \times 40$$

150% of 40 is 60

5. 45 out of 36



$$45 \div 36 = 1.25$$

45 is 125 % of 36

6. 9 is 30% of it



$$9 \div 0.30$$

9 is 30% of 30

7. 0.5% of 800



$$0.005 \times 800, \text{ half a percent}$$

0.5% of 800 is 4

8. 17 is half of it



$$17 \times 2$$

17 is 50% of 34

9. 2.5 out of 250



$$2.5 \div 250 = 0.01$$

2.5 is 1 % of 250



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Answer Key

3 In Context

10. Keisha has read 84 pages of her book. That is 35% of the whole book. How many pages does the book have?



$$84 \div 35 = 2.4 \text{ pages for each } 1\%$$

$$2.4 \times 100 = 240$$

The book has 240 pages.

11. This month the tip jar holds \$18. That is 120% of what it held last month. How much did it hold last month?

$$18 \div W = 120 \div 100, \text{ so } W = 18 \times 100 \div 120 = 15$$

120% of last month means last month was **SMALLER** than \$18

Last month the jar held \$15