

10.7 Percent

Chapter 10: Final Cumulative Review

Name: _____

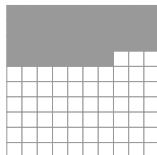
Date: _____

Class/Period: _____

10.251 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Use the grid to explain 37 percent as per hundred, a fraction, and a decimal.



10.252 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Write 62 percent as a fraction and decimal.

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10.253 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Write 0.085 as a percent.

10.256 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Explain why 0.4 percent is 0.004, not 0.4.

10.254 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Write $\frac{7}{16}$ as a percent.

10.257 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Find 15 percent of 240 using 10 percent plus 5 percent.

10.255 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Write 225 percent as a decimal and mixed-number fraction.

10.258 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Find 12.5 percent of 96 using a benchmark fraction.

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10.259 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Find 18 percent of 350.

10.262 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

21 of 28 students completed a project. Find the percent.

10.260 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

42 is what percent of 168? Identify part and whole.

10.263 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Find 0.6 percent of 450.

10.261 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

36 is 24 percent of what number? Write an equation.

10.264 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Find 175 percent of 64.

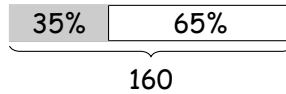
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10.265 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

The bar shows 35 percent of 160. Find the shaded amount.



10.266 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Estimate 39 percent of 198, then calculate exactly.

10.267 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Compare 28 percent of 75 and 42 percent of 48 without a calculator.

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10.268 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A jacket costs \$84 after a 30 percent discount. Use a percent bar to find original price.

\$84	30% off
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original = ?

10.269 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A price of \$65 increases 18 percent. Find the new price using a multiplier.

10.270 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A restaurant bill is \$47.50. Find a 20 percent tip and total.

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10.271 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A \$120 item is discounted 25 percent then taxed 8 percent. Find final price.

10.274 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Use 100 to disprove that a 10 percent increase followed by 10 percent decrease cancels.

10.272 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A population grows from 2,400 to 2,760. Find percent increase.

10.275 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A value increases 20 percent, then 25 percent. Find the single equivalent increase.

10.273 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A quantity decreases from 85 to 68. Find percent decrease.

10.276 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A store marks up 40 percent then discounts 25 percent. Compare final to original.

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10.277 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Compare 250 percent of 48 with 250 percent more than 48.

10.280 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A sign says 60 percent off, then 20 percent off. Find total discount.

10.278 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A response rate rises from 64 to 80 percent. Find percentage-point and relative percent increases.

10.281 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

90 percent of a number is 117. Use proportional reasoning to find 70 percent without first finding the whole.

10.279 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

An account grows 5 percent for two years from \$800. Compare with adding 10 percent once.

10.282 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A student reverses part and whole in a percent proportion. Explain how labels prevent the error.

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10.283 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A price after 15 percent tax is \$92. Find pre-tax price.

10.286 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A tank is 72 percent full. After 18 L are removed it is 60 percent full. Find capacity.

10.284 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A quantity decreases 30 percent, then increases enough to return. Find required percent increase.

10.287 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

A test has 50 questions. A student has 84 percent correct, then receives credit for 2 more. Find new percent.

10.285 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

Two stores sell the same \$150 item. A gives 35 percent off. B subtracts \$40 then 10 percent. Compare.

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10.288 Directions:

Complete all work on separate paper. Show calculations, reasoning, and labeled diagrams as appropriate..

The diagram shows a jacket with original price \$84 and a 25 percent discount. Find the discount and sale price, then explain which quantity each answer represents.

