

HW Percents Review

1. Which three fractions are less than 40%?

$\frac{3}{20}$

$\frac{23}{100}$

$\frac{3}{5}$

$\frac{1}{8}$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.1: Percents and Fractions>9.1: In-Class Practice (9 - 13)> Question #12

2. **NUMBER SENSE** Can $1\frac{1}{4}$ be written as a percent?

yes

no

Explain your reasoning.

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Grade 6 Accel: FL 2023>Chapter 9>Section 9.1: Percents and Fractions>9.1: In-Class Practice (9 - 13)> Question #13

3. **Dig Deeper** There are 100 students in a band. Ninety percent of the students are either 12 or 13 years old. The number of 13-year-olds is 125% of the number of 12-year-olds. The rest of the students are 14 years old. Write the portion of the band for each age as a fraction and a percent.

12-year olds: fraction: , percent: %

13-year olds: fraction: , percent: %

14-year olds: fraction: , percent: %

Grade 6 Accel: FL 2023>Chapter 9>Section 9.1: Percents and Fractions>9.1: In-Class Practice (14 - 16)> Question #16

4. Write the fraction as a percent.

$$\frac{1}{5} = \text{ } \%$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.1: Percents and Fractions>9.1: Practice (17 - 58)> Question #34

5. Find the percent.

13 is what percent of 16?

%

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6. Find the percent.

9 is what percent of 16?

%

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7. **MODEL A PROBLEM** How can you use a 10-by-10 grid to model $\frac{1}{2}$ %?

- You can shade half of the squares.
- You can shade half of one row of the squares.
- You can shade half of one of the squares.
- You can shade 2 of the squares.

Grade 6 Accel: FL 2023>Chapter 9>Section 9.1: Percents and Fractions>9.1: Practice (17 - 58)> Question #57

8. Write the percent as a decimal.

$$217\% = \square$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.2: Percents and Decimals>9.2: Practice (11 - 47)> Question #22

9. Write the percent as a decimal.

$$0.6\% = \square$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.2: Percents and Decimals>9.2: Practice (11 - 47)> Question #23

10. **NUMBER SENSE** Complete the table.

Fraction	Decimal	Percent
$\frac{18}{25}$	0.72	<input type="text"/> %
$\frac{17}{20}$	<input type="text"/>	85%
$\frac{13}{50}$	<input type="text"/>	<input type="text"/> %
<input type="text"/>	0.62	<input type="text"/> %
<input type="text"/>	<input type="text"/>	45%

Grade 6 Accel: FL 2023>Chapter 9>Section 9.3: Comparing and Ordering Fractions, Decimals, and Percents>9.3: In-Class Practice (6 - 12)> Question #6

11. Complete the statement using $<$, $>$ or $=$.

0.12 1.2%	
<div style="display: flex; justify-content: space-around; gap: 20px;"> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">⚡ $<$</div> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">⚡ $>$</div> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">⚡ $=$</div> </div>	

Grade 6 Accel: FL 2023>Chapter 9>Section 9.3: Comparing and Ordering Fractions, Decimals, and Percents>9.3: Practice (13 - 44)> Question #23

12. Order the numbers from least to greatest.

≡ 38%	
≡ $\frac{8}{25}$	
≡ 0.41	

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13. Order the numbers from least to greatest.

≡ 68%	
≡ 0.63	
≡ $\frac{13}{20}$	

Grade 6 Accel: FL 2023>Chapter 9>Section 9.3: Comparing and Ordering Fractions, Decimals, and Percents>9.3: Practice (13 - 44)> Question #29

14. Write the fraction as a decimal and a percent.

$$\frac{42}{100} = \square = \square \%$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.4: The Percent Proportion>9.4: Review & Refresh (1 - 8)> Question #1

15. Write and solve a proportion to answer the question.

75% of 124 is what number a ?

$$\square = \frac{75}{100}$$

$$a = \square$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.4: The Percent Proportion>9.4: Practice (9 - 36)> Question #19

16. Write and solve a proportion to answer the question.

110% of 90 is what number a ?

$$\square = \frac{110}{100}$$

$$a = \square$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.4: The Percent Proportion>9.4: Practice (9 - 36)> Question #20

17. Write and solve a proportion to answer the question.

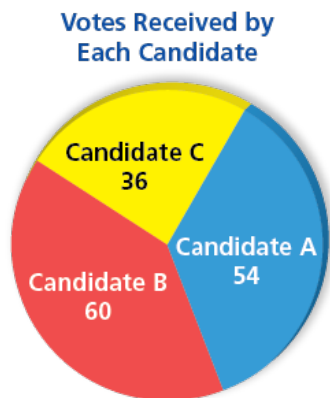
42 is what percent of 80?

$$\frac{\square}{\square} = \frac{p}{100}$$

$$p = \square\%$$

Grade 6 Accel: FL 2023>Chapter 9>Section 9.5: The Percent Equation>9.5: Review & Refresh (1 - 9)> Question #2

18. The circle graph shows the number of votes received by each candidate during a school election. Find the percent of students who voted for the indicated candidate.



Candidate A: %

Grade 6 Accel: FL 2023>Chapter 9>Section 9.5: The Percent Equation>9.5: Practice (10 - 34)> Question #10

19. **STRUCTURE** There were n signers of the Declaration of Independence. The oldest was Benjamin Franklin, who was y years old.

7 is 10% of y , and n is 80% of y . How many signers were there?

There were signers.

Grade 6 Accel: FL 2023>Chapter 9>Section 9.5: The Percent Equation>9.5: Practice (10 - 34)> Question #29

20. Identify the percent of change as an *increase* or a *decrease*.

24 songs to 78 songs

- Increase
- Decrease

Find the percent of change.

%

Grade 6 Accel: FL 2023>Chapter 9>Section 9.6: Percents of Increase and Decrease>9.6: Practice (8 - 35)> Question #15

21. Identify the percent of change as an *increase* or a *decrease*.

10 gallons to 24 gallons

- Increase
- Decrease

Find the percent of change.

%

Grade 6 Accel: FL 2023>Chapter 9>Section 9.6: Percents of Increase and Decrease>9.6: Practice (8 - 35)> Question #16

22. **REASONING** Forty students are in the science club. Of those, 45% are girls. This percent increases to 56% after more girls join the club. How many more girls join?

more girls join the club.

Grade 6 Accel: FL 2023>Chapter 9>Section 9.6: Percents of Increase and Decrease>9.6: Practice (8 - 35)> Question #35

23. Describe how to find the sale price of an item that has been discounted 15%.

Multiply the original price by % to find the sale price.

Grade 6 Accel: FL 2023>Chapter 9>Section 9.7: Discounts and Markups>9.7: In-Class Practice (3 - 7)> Question #3

24. Complete the table.

Original Price	Percent of Discount	Sale Price
\$112	32%	\$ <input type="text"/>

Grade 6 Accel: FL 2023>Chapter 9>Section 9.7: Discounts and Markups>9.7: Practice (8 - 34)> Question #13
