

6th Grade
Feb 8, 2021

Need to watch video:
6PR: Dalton, London,
Barrett, Jasper
6P: Lexi, Kennedy, Zac

Turn in project: Joe V.
Anyone else?

Today we will:

-review video notes

-work on 2-7 Homework
Practice WS

HOMWORK:

Complete WS

Test and binder check
FRIDAY

ALEKS assignment: 60
min and 5 topics due
Monday by 11:59pm

Need to complete
Friday's ALEKS HW:
Kennedy, Brennan,
Nick, Joe



Lesson 5 Skills Practice

****DO EVENS ONLY*******Compare and Order Fractions, Decimals, and Percents***

Replace each ● with <, >, or = to make a true statement. Prove your answer by changing EACH number to the same form (same denominator if both fractions OR both fractions OR both decimals)

1. $\frac{2}{3}$ ● $\frac{3}{4}$

2. $\frac{3}{8}$ = $\frac{6}{16}$

3. $\frac{6}{8}$ ● $\frac{7}{12}$

4. $\frac{1}{2}$ < $\frac{6}{7}$

5. $\frac{3}{9}$ ● $\frac{1}{3}$

6. $\frac{1}{6}$ < 0.9

7. $\frac{5}{6}$ ● $\frac{7}{8}$

8. $\frac{5}{8}$ > $\frac{5}{12}$

9. $\frac{4}{5}$ ● $\frac{2}{3}$

10. $\frac{6}{7}$ > 80%

11. $\frac{5}{12}$ ● $\frac{3}{16}$

12. 0.75 > $\frac{2}{9}$

13. $\frac{5}{7}$ ● 0.7

14. $\frac{2}{15}$ < $\frac{1}{6}$

15. $\frac{5}{12}$ ● $\frac{2}{5}$

16. $2\frac{3}{10} > 2\frac{5}{14}$

17. $5\frac{4}{9} \bullet 5\frac{3}{7}$

18. $1\frac{3}{5} > 1\frac{5}{9}$

19. $4\frac{1}{6} \bullet 4\frac{2}{12}$

20. $1\frac{7}{9} > 1\frac{4}{7}$

21. $8.9 \bullet 8\frac{11}{12}$

22. $3\frac{1}{4} = 3.25$

23. $6\frac{8}{9} \bullet 6\frac{7}{8}$

24. $11\frac{2}{9} < 11\frac{4}{15}$

Order the fractions from least to greatest.

25. $\frac{3}{4}, \frac{2}{5}, \frac{5}{8}, \frac{1}{2}$

26. $\frac{1}{3}, \frac{2}{7}, \frac{3}{14}, \frac{1}{6}$

27. $\frac{2}{3}, \frac{4}{9}, \frac{5}{6}, \frac{7}{12}$

$\frac{1}{6}$

$\frac{3}{14}$

$\frac{2}{7}$

$\frac{1}{3}$

28. $\frac{4}{5}, \frac{2}{3}, \frac{13}{15}, \frac{7}{9}$

29. $8\frac{11}{12}, 8\frac{5}{6}, 8\frac{3}{4}, 8\frac{9}{16}$

30. $2\frac{7}{15}, 2\frac{3}{5}, 2\frac{5}{12}, 2\frac{1}{2}$

$\frac{2}{3}$

$\frac{7}{9}$

$\frac{4}{5}$

$\frac{13}{15}$

$2\frac{28}{60}, 2\frac{36}{60}, 2\frac{25}{60}, 2\frac{30}{60}$

15, 30, 45, 60

$\frac{7}{15} \times \frac{4}{4} = \frac{28}{60}$

$\frac{3}{5} \times \frac{12}{12} = \frac{36}{60}$

$\frac{5}{12} \times \frac{5}{5} = \frac{25}{60}$

$\frac{1}{2} \times \frac{30}{30} = \frac{30}{60}$

$2\frac{5}{12}, 2\frac{7}{15}, 2\frac{1}{2}, 2\frac{3}{5}$

Foldable:

Steps to find percent of a number:

1. Change percent to a decimal

★ Move decimal 2 places left.

2. "of" means multiply

3. Your answer has the same number of decimal places as the problem.

10% of 10
x

$$\begin{array}{r} 10. \\ \curvearrowright \\ = 0.10 \end{array}$$

$$\begin{array}{r} 0.10 \\ \times 10 \\ \hline 01.00 \end{array}$$

$$10\% \text{ of } 10 = 1$$

0.46% of 80
x

$$\begin{array}{r} 0.46 \\ \curvearrowright \\ = 0.0046 \end{array}$$

$$\begin{array}{r} 0.0046 \\ \times 80 \\ \hline 0.3680 \end{array}$$

$$0.3680$$

80% of 28
x

$$\begin{array}{r} 80 \\ \curvearrowright \\ = 0.80 \end{array}$$

$$\begin{array}{r} 0.80 \\ \times 28 \\ \hline 640 \\ 1600 \\ \hline 2240 \end{array}$$

$$22.40$$

275% of 4

$$\begin{array}{r} 275 \\ \curvearrowright \\ = 2.75 \end{array}$$

$$\begin{array}{r} 2.75 \\ \times 4 \\ \hline 11.00 \end{array}$$

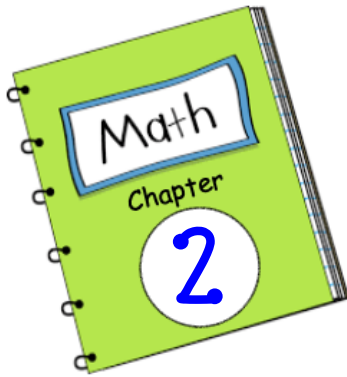
$$275\% \text{ of } 4 = 11$$

30% of 35

$$\begin{array}{r} 30 \\ \curvearrowright \\ = 0.30 \end{array}$$

$$\begin{array}{r} 0.30 \\ \times 35 \\ \hline 150 \\ + 900 \\ \hline 10.50 \end{array}$$

$$30\% \text{ of } 35 = 10.50$$



TITLE:

Decimals, Fractions, and Percents



| Date | Lesson | Topic/Assignment |
|------|--------|------------------------------------|
| 1/4 | 1 | Decimals and Fractions Video Notes |
| 1/5 | 1 | HOMEWORK: Pg 93 WS |
| 1/5 | 1 | CLASSWORK: Skills WS |
| 1/6 | 1 | CLASSWORK: Problem-Solving WS |
| 1/7 | 2 | Fractions and Percents Video Notes |
| 1/8 | 2 | HOMEWORK: Page 105 WS |
| 1/11 | 3 | Percents and Decimals Video Notes |
| 1/12 | 3 | HOMEWORK: Page 113 |
| 1/12 | 3 | CLASSWORK: HW Practice WS |
| 1/14 | 1-3 | CLASSWORK: Percent Puzzle |
| 1/28 | 4 | Percents >100% and <1% Video Notes |
| 1/29 | 4 | HOMEWORK: Reteach WS |
| 2/2 | 4 | CLASSWORK: Extra Practice WS |
| 2/3 | 5 | Compare and Order Video Notes |
| 2/4 | 5 | CLASSWORK: Skills Practice WS |
| 2/8 | 7 | Percent of a Number Video Notes |
| 2/9 | 7 | HOMEWORK: Pg 151 WS |
| 2/10 | 7 | CLASSWORK: Homework Practice WS |
| 2/12 | ALL | HOMEWORK: Study Guide |
| | | |
| | | |

2-7 Feb 8

More examples
page 150 #1-5

Guided Practice



Find the percent of each number. (Examples 1-4)

1. 32% of 60 = 19.20

Show your work.

$$\begin{array}{r} 0.32 \\ \times 60 \\ \hline 19.20 \end{array}$$

2. 0.55% of 210 = 1.21

$$\begin{array}{r} 0.0055 \\ \times 210 \\ \hline 1.21 \end{array}$$

$$\begin{array}{r} 0.0000 \\ 0.0000 \\ 0.0000 \\ \hline 1.2100 \end{array}$$

3. 275% of 4 = 11.00

$$\begin{array}{r} 2.75 \\ \times 4 \\ \hline 11.00 \end{array}$$

4. Troy wants to buy a jersey of his favorite MLS team. The jersey is 30% off the original price. If the original price of the jersey is \$35, what is the amount Troy will save? (Example 5)

\$10.50

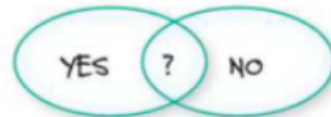
$$\begin{array}{r} 0.3 \\ \times 35 \\ \hline 15 \\ + 105 \\ \hline 10.5 \end{array}$$

5. **Building on the Essential Question** How do you find a percent of a number?

Move the decimal in the percent two places left, then multiply by the number.

Rate Yourself!

Are you ready to move on?
Shade the section that applies.



For more help, go online to access a Personal Tutor.



FOLDABLES Time to update your Foldable!

Do independently. Show all work.

Independent Practice

Go online for Step-by-Step Solutions



The cafeteria at Midtown Middle School surveyed **575** students about their favorite food. Find the number of students that responded for each of the following. (Example 1)

1. chicken: 8% =

Show your work:

$$\begin{array}{r} 575 \\ \times 0.08 \\ \hline \end{array}$$

2. salad: 20% =

$$\begin{array}{r} 575 \\ \times 0.20 \\ \hline \end{array}$$

3. burgers: 16% =

4. fruit: 24% =

Find the percent of each number. (Examples 2–4)

5. 0.9% of 1,000 =

6. 0.46% of 80 =

7. 350% of 96 =

8. 222% of 55 =

