

7th Grade
Jan 7, 2021

Today we will:

-review HW

-Do Extra Practice
WS



HOMEWORK:

Complete Extra
Practice WS

Video notes

THQ due TOMORROW

ALEKS assignment:
60 min and 5 topics
due Jan 12



Lesson 2 Skills Practice

Find Percent of a Number Mentally

Find the percent of each number mentally.

1. 10% of 582
58.2

2. 50% of 86
43

3. 40% of 1500
600

4. 20% of 75
15

Handwritten notes:
10% = 7.5
20% = 2 × 7.5 = 15

5. 15% of 20
3

6. 80% of 45
36

7. 30% of 120
36

8. 75% of 44
33

9. 5% of 40
2

10. $33\frac{1}{3}\%$ of 99
33

Handwritten note: $\frac{1}{3} \times 99$

11. 60% of 450
270

12. $37\frac{1}{2}\%$ of 56
21

13. 25% of 480
120

14. 300% of 5
15

15. 150% of 82
123

16. $66\frac{2}{3}\%$ of 210
140

17. 125% of 800
1000

18. 175% of 400
700

Estimate. 19–36. Sample answers given.

19. 28% of 19
 $\frac{3}{10}$ of 20; 6

Handwritten note: 30% of 20

20. 55% of 32
 $\frac{1}{2}$ of 30; 15

21. 87% of 158
 $\frac{7}{8}$ of 160; 140

22. 35% of 544
 $\frac{1}{3}$ of 540; 180

23. 42% of 495
 $\frac{2}{5}$ of 500; 200

24. 19% of 319
 $\frac{1}{5}$ of 320; 64

25. 65% of 73
 $\frac{2}{3}$ of 75; 50

26. 8% of 224
 $\frac{1}{10}$ of 200; 20

27. 83% of 9
 $\frac{4}{5}$ of 10; 8

28. 17% of 331
 $\frac{1}{5}$ of 325; 65

29. 78% of 14
 $\frac{4}{5}$ of 15; 12

30. 12% of 879
 $\frac{1}{10}$ of 900; 90

31. $\frac{1}{3}\%$ of 941
 $\frac{1}{3}$ of 9; 3

* 32. $\frac{1}{2}\%$ of 376
 $\frac{1}{2}$ of 4; 2

Handwritten notes:
380, 1% = 3.8, 3.8 ÷ 2 = 1.9

33. $\frac{1}{5}\%$ of 2052
 $\frac{1}{5}$ of 20; 4

34. 164% of 318
300 + 150; 450

35. 247% of 192
400 + 100; 500

36. 508% of 1073
5 × 1100; 5500

Lesson 2 Extra Practice

Find Percent of a Number Mentally

Find the percent of each number mentally.

1. 40% of 60

$$\begin{array}{r} 60 \\ \times 4 \\ \hline 240 \end{array}$$

(24)

$$2\sqrt{7.2}$$

2. 25% of 72

$$\begin{array}{r} 72 \\ \times 3 \\ \hline 216 \end{array}$$

14.4 (18)

3. 50% of 96

$$\frac{1}{2} \times \frac{96}{1} = (48)$$

$$2\sqrt{\frac{48}{8}} = \frac{8}{16}$$

4. $33\frac{1}{3}\%$ of 24

$$\frac{1}{3} \times \frac{24}{1} = (8)$$

$33\frac{1}{3}\%$ is $\frac{1}{3}$ of 100%

5. $37\frac{1}{2}\%$ of 80

$$\frac{3}{8} \times \frac{80}{1} = (30)$$

6. 150% of 42

$$42 + 21 = 63$$

100% + 50% = 42 + 21

7. 200% of 125

$$2 \times 125 = 250$$

8. $66\frac{2}{3}\%$ of 45

$$\frac{2}{3} \times \frac{45}{1} = (30)$$

Estimate.

9. 60% of 49

$$50\% \checkmark \quad 5 \times 6 = 30$$

10. 20% of 40

$$10\% = 40 = 4$$

20% = 2 x 4 = 8

11. 82% of 60

$$\begin{array}{r} 80 \\ \times 60 \\ \hline 4800 \end{array}$$

12. 125% of 80

$$100\% + 25\% = 80 + 20$$

80 + 20 = 100

13. $\frac{1}{2}\%$ of 520

$$1\% \text{ of } 520 = 5.2$$

$$\frac{1}{2}\% = \frac{1}{2} \text{ of } 5.2 = (2.6)$$

$$2\sqrt{\frac{2.6}{5.2}} = \frac{1}{2}$$

14. 30% of 10

$$30\% = \frac{3}{10}$$

10% = 2

30% = 3 x 2 = (6)

