

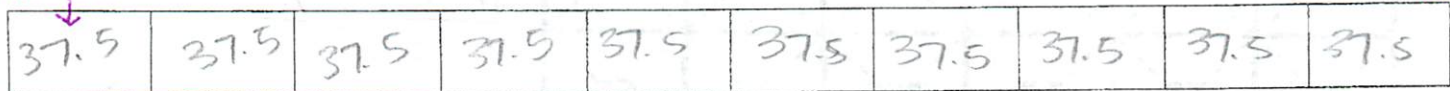
Find the whole when given the part and percent.

Name Answerkey Period 4 Date _____

1. 40% of what number is 150? 150 is 40% of 375. Check:

$150 = 40\%$
 $37.5 \times 10 = 375$

$150 \div 4$

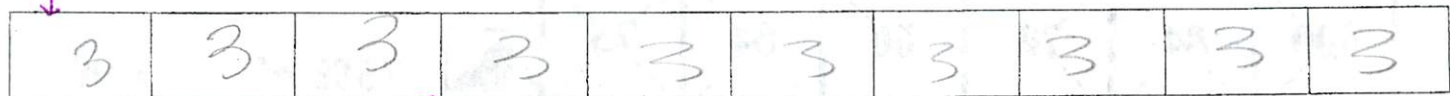


$40\% = 150$

2. 9 is 30% of what number? 9 is 30% of 30. Check:

$9 = 30\%$
 $3 \times 10 = 30$

$9 \div 3$

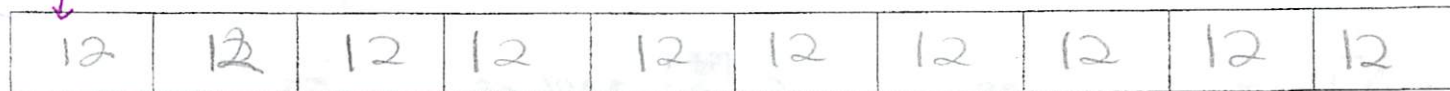


$30\% = 9$

3. At Skip's Skate World, 24 of the skateboards in stock are on sale. If 20% of the skateboards are on sale, how many skateboards are in stock? 24 is 20% of 120. Check:

$24 = 20\%$
 $12 \times 10 = 120$

$24 \div 2$



$20\% = 24$

4. In a survey, 420 students said they liked rock music. If 60% of the students said they liked rock music, how many students were surveyed? 420 is 60% of 700. Check:

$420 = 60\%$

$420 \div 6$

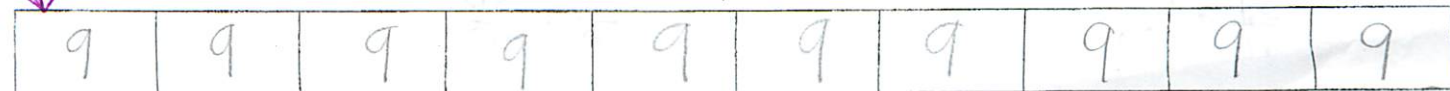


$60\% = 420$

5. Andrew spent 70% of his birthday money at the mall. If he spent \$63 at the mall, how much money did Keith receive for his birthday? 63 is 70% of \$90. Check:

$70\% = 63$
 $9 \times 10 = \$90$

$63 \div 7$



$70\% = 63$

ACTIVITY 46

Name _____

Period _____


Date _____

Find the whole when given the part and percent.

50	700	75	75	17	900
84	60	17	700	72	65
600	35	120	900	35	75
600	84	72	60	84	75
35	900	17	700	120	124
900	300	600	600	200	720

Show all work.


$$\frac{\text{part}}{\text{whole}} = \frac{\%}{100}$$

1.  40% of 35 = 14

$$\frac{14}{w} \times \frac{40}{100} = \frac{40w}{40} = \frac{1400}{40}$$

35
40
1400
-120
20


w = 35

2.  75% of 120 = 90

$$\frac{90}{w} \times \frac{75}{100} = \frac{75w}{75} = \frac{9000}{75}$$


120
75
9000
-75
150
-150
00

w = 120

3.  8% of 300 = 24


$$\frac{24}{w} \times \frac{8}{100} = \frac{8w}{8} = \frac{2400}{8}$$

w = 300

4.  4% of 700 = 28


$$\frac{28}{w} \times \frac{4}{100} = \frac{4w}{100} = \frac{2800}{100}$$

w = 700

6.  35% of 200 = 70


$$\frac{70}{w} \times \frac{35}{100} = \frac{35w}{100} = \frac{7000}{100}$$

w = 200

8.  4% of 50 = 2


$$\frac{2}{w} \times \frac{4}{100} = \frac{4w}{100} = \frac{200}{100}$$

w = 50

10.  12% of 85 = 9


$$\frac{9}{w} \times \frac{12}{100} = \frac{12w}{100} = \frac{900}{100}$$

w = 75

12.  125% of 72 = 90


$$\frac{90}{w} \times \frac{125}{100} = \frac{125w}{100} = \frac{9000}{100}$$

w = 72

14.  200% of 17 = 34


$$\frac{34}{w} \times \frac{200}{100} = \frac{200w}{100} = \frac{3400}{100}$$

w = 17

5.  12% of 600 = 72


$$\frac{72}{w} \times \frac{12}{100} = \frac{12w}{100} = \frac{7200}{100}$$

w = 600

7.  55% of 60 = 33


$$\frac{33}{w} \times \frac{55}{100} = \frac{55w}{100} = \frac{3300}{100}$$

w = 60

9.  25% of 124 = 31


$$\frac{31}{w} \times \frac{25}{100} = \frac{25w}{100} = \frac{3100}{100}$$

w = 124

11.  75% of 84 = 63


$$\frac{63}{w} \times \frac{75}{100} = \frac{75w}{100} = \frac{6300}{100}$$

w = 84

13.  24% of 900 = 216

$$\frac{216}{w} \times \frac{24}{100} = \frac{24w}{100} = \frac{21600}{100}$$

w = 900

15.  80% of 65 = 52

$$\frac{52}{w} \times \frac{80}{100} = \frac{80w}{100} = \frac{5200}{100}$$

w = 65