

## Finding a Per Cent of a Number

Find the missing numbers:

[05-12-14-KN6]

- | a                                 | b                             | c                             |
|-----------------------------------|-------------------------------|-------------------------------|
| 1. 12% of 75 = ?                  | 16% of 120 = ?                | 15% of 84 = ?                 |
| 2. 25% of 52 = ?                  | 33 $\frac{1}{3}$ % of 180 = ? | 50% of 145 = ?                |
| 3. 75% of 96 = ?                  | 66 $\frac{2}{3}$ % of 450 = ? | 37 $\frac{1}{2}$ % of 800 = ? |
| 4. 2.4% of 57 = ?                 | 1.5% of 160 = ?               | 3.4% of 260 = ?               |
| 5. 33 $\frac{1}{3}$ % of 210 = ?  | 2.7% of 420 = ?               | 2 $\frac{1}{2}$ % of 480 = ?  |
| 6. 35% of 360 = ?                 | 11% of 290 = ?                | 7% of 145 = ?                 |
| 7. 2.8% of 940 = ?                | 3 $\frac{1}{2}$ % of 750 = ?  | 1.6% of 440 = ?               |
| 8. 5% of 37.5 = ?                 | 2% of 19.8 = ?                | 3.5% of 47.5 = ?              |
| 9. 40% of 77.5 = ?                | 10% of 4.5 = ?                | 100% of 3.8 = ?               |
| 10. 66 $\frac{2}{3}$ % of 510 = ? | 75% of 960 = ?                | 62 $\frac{1}{2}$ % of 640 = ? |

## Per Cents Greater than 100%



1. Express as per cents:

- |        |         |         |          |        |
|--------|---------|---------|----------|--------|
| a. 1.4 | c. 4    | e. 2    | g. 1.025 | i. 6   |
| b. 2.2 | d. 1.75 | f. 3.25 | h. 3.075 | j. 2.9 |

2. Express in decimal form:

- |         |         |         |                        |
|---------|---------|---------|------------------------|
| a. 425% | c. 400% | e. 200% | g. 102 $\frac{1}{2}$ % |
| b. 120% | d. 720% | f. 103% | h. 133 $\frac{1}{3}$ % |

Find the missing numbers:

- | a                                 | b                  | c                  |
|-----------------------------------|--------------------|--------------------|
| 3. 150% of 46 = ?                 | 200% of 83 = ?     | 120% of 430 = ?    |
| 4. 133 $\frac{1}{3}$ % of 270 = ? | 110% of 68 = ?     | 102% of 720 = ?    |
| 5. 36 = ?% of 25                  | 23 = ?% of 20      | 450 = ?% of 300    |
| 6. 114 = ?% of 100                | 75 = ?% of 50      | 75 = ?% of 60      |
| 7. 103% of 840 = ?                | 960 = ?% of 720    | 225% of 160 = ?    |
| 8. 119 = ?% of 50                 | 57 = ?% of 50      | 180 = ?% of 150    |
| 9. 102% of 940 = ?                | 90 = ?% of 75      | 102.5% of 1450 = ? |
| 10. 225% of 460 = ?               | 102.4% of 1200 = ? | 101.4% of 1740 = ? |

## Finding a Fractional Per Cent of a Number

a	b	c
1. $\frac{1}{2}\%$ of 720 =	$\frac{1}{3}\%$ of 1200 =	$\frac{3}{4}\%$ of 840 =
2. $\frac{1}{4}\%$ of 1000 =	$\frac{1}{5}\%$ of 1500 =	$\frac{1}{8}\%$ of 2000 =
3. $\frac{1}{2}\%$ of 10,000 =	$\frac{2}{3}\%$ of 30,000 =	$\frac{5}{8}\%$ of 40,000 =
4. $.1\%$ of 800 =	$.4\%$ of 1600 =	$.5\%$ of 7500 =
5. $\frac{1}{12}\%$ of 75,000 =	$\frac{1}{12}\%$ of 96,000 =	$.1\%$ of 60,000 =
6. $\frac{1}{4}\%$ of 7200 =	$\frac{1}{2}\%$ of 9200 =	$.2\%$ of 50,000 =

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## Finding Per Cent of Change

Find the per cent of change when the change is:

1. From 50 to 40	From 50 to 60	From 150 to 100
2. From 75 to 100	From 90 to 75	From 75 to 90
3. From 150 to 125	From 125 to 150	From 150 to 175
4. From 40 to 32	From 32 to 40	From 64 to 72
5. From 250 to 270	From 250 to 235	From 200 to 187
6. From 500 to 620	From 500 to 430	From 600 to 520
7. From 400 to 450	From 450 to 400	From 450 to 500
8. From $\frac{1}{2}$ to $\frac{1}{4}$	From $\frac{1}{2}$ to $\frac{3}{4}$	From $\frac{1}{2}$ to 1

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## Finding a Number When a Per Cent of It Is Given

1. 30 = 6% of ?	50 = 2% of ?	75 = 25% of ?
2. 8% of ? = 40	9% of ? = 45	3% of ? = 18
3. 120% of ? = 60	125% of ? = 75	150% of ? = 30
4. 18 = 200% of ?	160 = 40% of ?	17 = 10% of ?
5. 9 = 1% of ?	6.4 = 2% of ?	150 = 15% of ?
6. 2.5% of ? = 40	1.5% of ? = 30	3.4% of ? = 17
7. 300% of ? = 450	110% of ? = 55	90% of ? = 630
8. 4% of ? = 18	24 = 16% of ?	30 = 25% of ?
9. .5% of ? = 10	.4% of ? = 8	.3% of ? = 12
10. 1% of ? = 6.7	2% of ? = 9.5	4% of ? = 9.6

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