

Percentages worksheet 2 - calculating x% of y, e.g. 35% of 120 = 42

(C) 2008 Ashtead Tutor. These free worksheets may be used by anyone for their own learning or may be given out unaltered & free of charge by a teacher for use in their own school. Any other purpose requires permission. Full credit must be given to AshteadTutor.co.uk whenever these worksheets are used, and this copyright notice must be included on the sheets.

Question What is Everyone should be able to do it this way.

You can also do it these ways if you know how to multiply fractions and decimals. Do them these ways as well if you know how to, if you want to or if I ask you to.

Answers

example	1)	10% of 108 =	10.8	=	10/100 x 108 = 10.8	=	0.1 x 108 = 10.8
example	2)	20% of 108 =	10.8 + 10.8 = 21.6	=	20/100 x 108 = 21.6	=	0.2 x 108 = 21.6
example	3)	1% of 108 =	1.08	=	1/100 x 108 = 1.08	=	0.01 x 108 = 1.08
example	4)	5% of 108 =	half of 10% of 108 = half of 10.8 = 5.4	=	5/100 x 108 = 5.4	=	0.05 x 108 = 5.4
example	5)	3% of 108 =	1% of 108 + 1% of 108 + 1% of 108 = 1.08 + 1.08 + 1.08 = 3.24	=	3/100 x 108 = 3.24	=	0.03 x 108 = 3.24
example	6)	15% of 108 =	10% of 108 + 5% of 108 = 10.8 + 5.4 = 16.2	=	15/100 x 108 = 16.2	=	0.15 x 108 = 16.2
	7)	10% of 150 =		=		=	
	8)	20% of 150 =		=		=	
	9)	1% of 150 =		=		=	
	10)	5% of 150 =		=		=	
	11)	3% of 150 =		=		=	
	12)	15% of 150 =		=		=	
	13)	10% of 240 =		=		=	
	14)	20% of 240 =		=		=	
	15)	30% of 240 =		=		=	
	16)	5% of 240 =		=		=	
	17)	35% of 240 =		=		=	
	18)	100% of 240 =		=		=	
	19)	135% of 240 =		=		=	
	20)	33% of 240 =		=		=	
	21)	25% of 4 =		=		=	
example	22)	25% of 44 =	1/4 x 44 = 44/4 = 11	=		=	
example	23)	33 1/3 % of 9 =	1/3 x 9 = 9/3 = 3	=		=	
example	24)	66 2/3 % of 9 =	2/3 x 9 = 2x9/3 = 2x3/1 = 6	=		=	
	25)	25% of 80 =		=		=	
	26)	33 1/3 % of 120 =		=		=	
	27)	66 2/3 % of 90 =		=		=	
	28)	75% of 16 =		=		=	
	29)	133 1/3 % of 15 =		=		=	
	30)	125% of 200 =		=		=	

Fold along this line to conceal answers, then open out, check and mark.

10/100 x 150 = 15	=	0.1 x 150 = 15
20/100 x 150 = 30	=	0.2 x 150 = 30
1/100 x 150 = 1.5	=	0.01 x 150 = 1.5
5/100 x 150 = 7.5	=	0.05 x 150 = 7.5
3/100 x 150 = 4.5	=	0.03 x 150 = 4.5
15/100 x 150 = 22.5	=	0.15 x 150 = 22.5
10/100 x 240 = 24	=	0.1 x 240 = 24
20/100 x 240 = 48	=	0.2 x 240 = 48
30/100 x 240 = 72	=	0.3 x 240 = 72
5/100 x 240 = 12	=	0.05 x 240 = 12
35/100 x 240 = 84	=	0.35 x 240 = 84
100/100 x 240 = 240	=	1 x 240 = 240
135/100 x 240 = 324	=	1.35 x 240 = 324
33/100 x 240 = 79.2	=	0.33 x 240 = 79.2
25/100 x 4 = 1	=	0.25 x 4 = 1
25/100 x 44 = 11	=	0.25 x 44 = 11
	=	9 / 3 = 3
	=	10 / 3 = 3
25/100 x 80 = 20	=	80/4 = 20
	=	120 / 3 = 40
	=	90 x 2/3 = 60
75/100 x 16 = 12	=	3/4 x 16 = 12
	=	1 1/3 x 15 = 20
125/100 x 200 = 250	=	1 1/4 x 200 = 250