

Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS- PERCENTAGES- QUANTITIES AS PERCENTAGES- TIME

What percentage is:

- 1 3 hours of 10 days? = %
- 2 12 hours of 8 days? = %
- 3 12 hours of 4 days? = %
- 4 6 hours of 5 days? = %
- 5 18 hours of 6 days? = %
- 6 12 hours of 2 days? = %
- 7 90 hours of 6 days? = %
- 8 6 hours of 1 day? = %
- 9 12 hours of 250 days? = %
- 10 45 hours of 6 days? = %
- 11 10 minutes of 8 hours? = %
- 12 10 minutes of 5 hours? = %
- 13 12 minutes of 9 hours? = %
- 14 15 minutes of 5 hours? = %
- 15 16 minutes of 5 hours? = %
- 16 12 minutes of 9 hours? = %
- 17 12 minutes of 4 hours? = %
- 18 12 minutes of 15 hours? = %
- 19 8 minutes of 3 hours? = %
- 20 9 minutes of 12 hours? = %

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21	20	seconds of	12	minutes?	=	%
22	10	seconds of	4	minutes?	=	%
23	5	seconds of	3	minutes?	=	%
24	15	seconds of	3	minutes?	=	%
25	24	seconds of	15	minutes?	=	%
26	25	seconds of	5	minutes?	=	%
27	26	seconds of	13	minutes?	=	%
28	18	seconds of	9	minutes?	=	%
29	28	seconds of	7	minutes?	=	%
30	30	seconds of	2	minutes?	=	%
31	24	hours of	16	days?	=	%
32	12	hours of	50	days?	=	%
33	24	hours of	20	days?	=	%
34	20	minutes of	8	hours?	=	%
35	3	minutes of	2	hours?	=	%
36	12	minutes of	3	hours?	=	%
37	12	seconds of	4	minutes?	=	%
38	8	seconds of	2	minutes?	=	%
39	13	seconds of	4	minutes?	=	%
40	12	seconds of	5	minutes?	=	%

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Answer Key:

Example 1: What percentage is 3 hours of 10 days?

$$\frac{x}{100} = \frac{3 \text{ hours}}{10 \text{ days}} = \frac{x}{100} = \frac{3}{10 * 24}$$

$$x = \frac{3 * 100}{10 * 24} = 1.25\%$$

Example 11: What percentage is 10 minutes of 8 hours?

$$\frac{x}{100} = \frac{10 \text{ minutes}}{8 \text{ hours}} = \frac{x}{100} = \frac{10}{8 * 60}$$

$$x = \frac{10 * 100}{8 * 60} = 100/48 = 2 \frac{1}{12}\%$$

Example 21: What percentage is 20 seconds of 12 minutes?

$$\frac{x}{100} = \frac{20 \text{ seconds}}{12 \text{ minutes}} = \frac{x}{100} = \frac{20}{12 * 60}$$

$$x = \frac{20 * 100}{12 * 60} = 25/9 = 2 \frac{7}{9}\%$$

1	1.25	11	2 1/12	21	2 7/9	31	6.25
2	6.25	12	3 1/3	22	4 1/6	32	1
3	12.5	13	2 2/9	23	2 7/9	33	5
4	5	14	5	24	8 1/3	34	4 1/6
5	12.5	15	5 1/3	25	2 2/3	35	2 1/2
6	25	16	2 2/9	26	8 1/3	36	6 2/3
7	62.5	17	5	27	3 1/3	37	5
8	25	18	1 1/3	28	3 1/3	38	6 2/3
9	0.2	19	4 4/9	29	6 2/3	39	5 5/12
10	31.25	20	1 1/4	30	25	40	4