

Beat Your Best

Red Missing Numbers

(Allow 5 mins max.)



tackling**tables**

the new, exciting way to learn them off by heart.

$\div 6 = 2$	$5 \times = 35$	$\times 3 = 18$	$\div 9 = 8$
$7 \times = 63$	$\div 6 = 9$	$\times 12 = 132$	$\div 3 = 5$
$\div 4 = 8$	$72 \div = 12$	$7 \times = 28$	$\times 7 = 56$
$3 \times 8 =$	$4 \times 8 =$	$99 \div 11 =$	$9 \times = 81$
$6 \times = 42$	$\div 3 = 9$	$\times 5 = 45$	$3 \times 9 =$
$56 \div 7 =$	$132 \div = 12$	$\div 4 = 7$	$35 \div 5 =$
$9 \times = 108$	$\times 6 = 54$	$81 \div 9 =$	$\times 9 = 36$
$\div 3 = 8$	$\div 3 = 6$	$\times 4 = 24$	$\div 1 = 8$
$\div 10 = 1$	$36 \div = 9$	$\div 7 = 6$	$54 \div 9 =$
$9 \times = 72$	$7 \times 5 =$	$5 \times = 60$	$\times 8 = 64$
$42 \div = 7$	$36 \div = 3$	$18 \div = 9$	$63 \div = 7$
$\div 9 = 12$	$\div 7 = 2$	$12 \times 6 =$	$9 \times 3 =$
$6 \times 8 =$	$24 \div = 6$	$\div 12 = 9$	$\div 2 = 7$
$96 \div = 8$	$\div 7 = 4$	$3 \times = 21$	$\times 6 = 42$
$\times 3 = 27$	$8 \div = 8$	$\times 9 = 72$	$\div 8 = 7$
$3 \times = 36$	$\times 8 = 56$	$32 \div 8 =$	$\times 11 = 110$
$\div 9 = 5$	$27 \div = 3$	$\div 5 = 9$	$6 \times = 18$
$12 \times = 72$	$\div 7 = 9$	$\times 6 = 48$	$72 \div = 6$
$\div 11 = 11$	$7 \times 3 =$	$6 \times = 54$	$9 \times 4 =$
$7 \times = 28$	$\times 5 = 30$	$35 \div = 7$	$\div 4 = 7$
$11 \times 10 =$	$\div 11 = 1$	$12 \times 12 =$	$\div 11 = 12$
$\div 8 = 6$	$4 \times = 48$	$\div 3 = 7$	$48 \div = 8$
$18 \div = 2$	$\div 7 = 12$	$12 \times = 108$	$\div 7 = 6$
$\div 3 = 9$	$6 \times = 42$	$\div 8 = 9$	$9 \times 7 =$
$36 \div 9 =$	$8 \times 9 =$	$64 \div = 8$	$\div 4 = 8$

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(ANSWERS)



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$? \div 6 = 2$	12	$5 \times ? = 35$	7	$? \times 3 = 18$	6	$? \div 9 = 8$	72
$7 \times ? = 63$	9	$? \div 6 = 9$	54	$? \times 12 = 132$	11	$? \div 3 = 5$	15
$? \div 4 = 8$	32	$72 \div ? = 12$	6	$7 \times ? = 28$	4	$? \times 7 = 56$	8
$3 \times 8 = ?$	24	$4 \times 8 = ?$	32	$99 \div 11 = ?$	9	$9 \times ? = 81$	9
$6 \times ? = 42$	7	$? \div 3 = 9$	27	$? \times 5 = 45$	9	$3 \times 9 = ?$	27
$56 \div 7 = ?$	8	$132 \div ? = 12$	11	$? \div 4 = 7$	28	$35 \div 5 = ?$	7
$9 \times ? = 108$	12	$? \times 6 = 54$	9	$81 \div 9 = ?$	9	$? \times 9 = 36$	4
$? \div 3 = 8$	24	$? \div 3 = 6$	18	$? \times 4 = 24$	6	$? \div 1 = 8$	8
$? \div 10 = 1$	10	$36 \div ? = 9$	4	$? \div 7 = 6$	42	$54 \div 9 = ?$	6
$9 \times ? = 72$	8	$7 \times 5 = ?$	35	$5 \times ? = 60$	12	$? \times 8 = 64$	8
$42 \div ? = 7$	6	$36 \div ? = 3$	12	$18 \div ? = 9$	2	$63 \div ? = 7$	9
$? \div 9 = 12$	108	$? \div 7 = 2$	14	$12 \times 6 = ?$	72	$9 \times 3 = ?$	27
$6 \times 8 = ?$	48	$24 \div ? = 6$	4	$? \div 12 = 9$	108	$? \div 2 = 7$	14
$96 \div ? = 8$	12	$? \div 7 = 4$	28	$3 \times ? = 21$	7	$? \times 6 = 42$	7
$? \times 3 = 27$	9	$8 \div ? = 8$	1	$? \times 9 = 72$	8	$? \div 8 = 7$	56
$3 \times ? = 36$	12	$? \times 8 = 56$	7	$32 \div 8 = ?$	4	$? \times 11 = 110$	10
$? \div 9 = 5$	45	$27 \div ? = 3$	9	$? \div 5 = 9$	45	$6 \times ? = 18$	3
$12 \times ? = 72$	6	$? \div 7 = 9$	63	$? \times 6 = 48$	8	$72 \div ? = 6$	12
$? \div 11 = 11$	121	$7 \times 3 = ?$	21	$6 \times ? = 54$	9	$9 \times 4 = ?$	36
$7 \times ? = 28$	4	$? \times 5 = 30$	6	$35 \div ? = 7$	5	$? \div 4 = 7$	28
$11 \times 10 = ?$	110	$? \div 11 = 1$	11	$12 \times 12 = ?$	144	$? \div 11 = 12$	132
$? \div 8 = 6$	48	$4 \times ? = 48$	12	$? \div 3 = 7$	21	$48 \div ? = 8$	6
$18 \div ? = 2$	9	$? \div 7 = 12$	84	$12 \times ? = 108$	9	$? \div 7 = 6$	42
$? \div 3 = 9$	27	$6 \times ? = 42$	7	$? \div 8 = 9$	72	$9 \times 7 = ?$	63
$36 \div 9 = ?$	4	$8 \times 9 = ?$	72	$64 \div ? = 8$	8	$? \div 4 = 8$	32



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Red Phase

Missing Numbers

Name: _____

Brilliant!!

100 in 5 minutes.

Date: _____



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Red Multiples

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$40 \times 9 =$

$1800 \div 6 =$

$40 \times 700 =$

$1100 \div 11 =$

$120 \div 60 =$

$80 \times 600 =$

$1800 \div 90 =$

$50 \times 900 =$

$500 \times 7 =$

$1200 \times 9 =$

$3 \times 120 =$

$1200 \times 110 =$

$330 \div 110 =$

$480 \div 120 =$

$1080 \div 12 =$

$6000 \div 12 =$

$5400 \div 60 =$

$7200 \div 90 =$

$560 \div 7 =$

$50 \times 60 =$

$90 \times 90 =$

$840 \div 70 =$

$600 \times 60 =$

$990 \div 90 =$

$50 \times 120 =$

$300 \times 90 =$

$7200 \div 600 =$

$80 \times 12 =$

$4200 \div 70 =$

$90 \times 120 =$

$1210 \div 11 =$

$770 \div 11 =$

$30 \times 600 =$

$110 \times 1100 =$

$20 \times 900 =$

$90 \times 7000 =$

$110 \times 120 =$

$960 \div 12 =$

$90 \times 60 =$

$3000 \times 110 =$

$3600 \div 90 =$

$540 \div 90 =$

$3500 \div 7 =$

$4500 \div 900 =$

$1320 \div 12 =$

$800 \times 110 =$

$480 \div 60 =$

$840 \div 120 =$

$60 \times 110 =$

$30 \times 7 =$

$1440 \div 120 =$

$140 \div 70 =$

$800 \times 70 =$

$110 \times 900 =$

$10 \times 1100 =$

$700 \times 9 =$

$120 \times 60 =$

$210 \div 70 =$

$60 \times 120 =$

$420 \div 60 =$

$810 \div 90 =$

$360 \div 60 =$

$660 \div 110 =$

$2700 \div 90 =$

$7200 \div 120 =$

$1080 \div 90 =$

$7000 \div 70 =$

$400 \times 12 =$

$1100 \div 110 =$

$40 \times 600 =$

$880 \div 110 =$

$110 \times 700 =$

$70 \times 6 =$

$12 \times 70 =$

$70 \times 700 =$

$2400 \div 6 =$

$200 \times 120 =$

$2400 \div 12 =$

$10 \times 1200 =$

$50 \times 110 =$

$630 \div 70 =$

$40 \times 110 =$

$630 \div 90 =$

$4400 \div 110 =$

$550 \div 11 =$

$60 \times 70 =$

$1320 \div 110 =$

$490 \div 70 =$

$600 \times 900 =$

$7200 \div 6 =$

$280 \div 70 =$

$300 \div 6 =$

$3600 \div 120 =$

$770 \div 70 =$

$70 \times 1200 =$

$700 \times 11 =$

$120 \times 120 =$

$80 \times 90 =$

$900 \times 11 =$

$1200 \div 120 =$

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Red Multiples

(ANSWERS)



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$40 \times 9 = 360$	$1800 \div 6 = 300$	$40 \times 700 = 28000$	$1100 \div 11 = 100$
$120 \div 60 = 2$	$80 \times 600 = 48000$	$1800 \div 90 = 20$	$50 \times 900 = 45000$
$500 \times 7 = 3500$	$1200 \times 9 = 10800$	$3 \times 120 = 360$	$1200 \times 110 = 132000$
$330 \div 110 = 3$	$480 \div 120 = 4$	$1080 \div 12 = 90$	$6000 \div 12 = 500$
$5400 \div 60 = 90$	$7200 \div 90 = 80$	$560 \div 7 = 80$	$50 \times 60 = 3000$
$90 \times 90 = 8100$	$840 \div 70 = 12$	$600 \times 60 = 36000$	$990 \div 90 = 11$
$50 \times 120 = 6000$	$300 \times 90 = 27000$	$7200 \div 600 = 12$	$80 \times 12 = 960$
$4200 \div 70 = 60$	$90 \times 120 = 10800$	$1210 \div 11 = 110$	$770 \div 11 = 70$
$30 \times 600 = 18000$	$110 \times 1100 = 121000$	$20 \times 900 = 18000$	$90 \times 7000 = 630000$
$110 \times 120 = 13200$	$960 \div 12 = 80$	$90 \times 60 = 5400$	$3000 \times 110 = 330000$
$3600 \div 90 = 40$	$540 \div 90 = 6$	$3500 \div 7 = 500$	$4500 \div 900 = 5$
$1320 \div 12 = 110$	$800 \times 110 = 88000$	$480 \div 60 = 8$	$840 \div 120 = 7$
$60 \times 110 = 6600$	$30 \times 7 = 210$	$1440 \div 120 = 12$	$140 \div 70 = 2$
$800 \times 70 = 56000$	$110 \times 900 = 99000$	$10 \times 1100 = 11000$	$700 \times 9 = 6300$
$120 \times 60 = 7200$	$210 \div 70 = 3$	$60 \times 120 = 7200$	$420 \div 60 = 7$
$810 \div 90 = 9$	$360 \div 60 = 6$	$660 \div 110 = 6$	$2700 \div 90 = 30$
$7200 \div 120 = 60$	$1080 \div 90 = 12$	$7000 \div 70 = 100$	$400 \times 12 = 4800$
$1100 \div 110 = 10$	$40 \times 600 = 24000$	$880 \div 110 = 8$	$110 \times 700 = 77000$
$70 \times 6 = 420$	$12 \times 70 = 840$	$70 \times 700 = 49000$	$2400 \div 6 = 400$
$200 \times 120 = 24000$	$2400 \div 12 = 200$	$10 \times 1200 = 12000$	$50 \times 110 = 5500$
$630 \div 70 = 9$	$40 \times 110 = 4400$	$630 \div 90 = 7$	$4400 \div 110 = 40$
$550 \div 11 = 50$	$60 \times 70 = 4200$	$1320 \div 110 = 12$	$490 \div 70 = 7$
$600 \times 900 = 540000$	$7200 \div 6 = 1200$	$280 \div 70 = 4$	$300 \div 6 = 50$
$3600 \div 120 = 30$	$770 \div 70 = 11$	$70 \times 1200 = 84000$	$700 \times 11 = 7700$
$120 \times 120 = 14400$	$80 \times 90 = 7200$	$900 \times 11 = 9900$	$1200 \div 120 = 10$



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Red Phase

Multiples

Name: _____

Brilliant!!
100 in 5 minutes.

Date: _____



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Red Phase

Multiples

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Beat Your Best

Red Fractions

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$1/2 \times 18 =$

$8/9 \times 108 =$

$1/5 \times 40 =$

$7/12 \times 84 =$

$7/8 \times 32 =$

$1/6 \times 42 =$

$3/7 \times 21 =$

$2/9 \times 81 =$

$3/5 \times 45 =$

$4/7 \times 35 =$

$5/8 \times 8 =$

$5/8 \times 64 =$

$4/9 \times 81 =$

$5/9 \times 27 =$

$3/10 \times 100 =$

$1/6 \times 42 =$

$6/11 \times 33 =$

$9/11 \times 99 =$

$7/11 \times 44 =$

$2/3 \times 21 =$

$5/12 \times 84 =$

$1/12 \times 132 =$

$11/12 \times 120 =$

$3/7 \times 28 =$

$9/10 \times 90 =$

$7/10 \times 80 =$

$2/7 \times 35 =$

$4/5 \times 35 =$

$3/4 \times 48 =$

$5/8 \times 72 =$

$1/6 \times 54 =$

$3/4 \times 28 =$

$5/6 \times 54 =$

$1/3 \times 27 =$

$3/8 \times 32 =$

$8/9 \times 27 =$

$6/7 \times 49 =$

$3/7 \times 28 =$

$2/9 \times 27 =$

$6/7 \times 63 =$

$1/9 \times 27 =$

$1/10 \times 80 =$

$5/12 \times 72 =$

$3/4 \times 20 =$

$2/3 \times 18 =$

$7/8 \times 16 =$

$1/8 \times 72 =$

$7/8 \times 72 =$

$11/12 \times 96 =$

$4/9 \times 36 =$

$4/7 \times 42 =$

$5/12 \times 132 =$

$2/9 \times 63 =$

$8/11 \times 132 =$

$2/5 \times 60 =$

$7/9 \times 72 =$

$1/8 \times 48 =$

$3/5 \times 25 =$

$8/9 \times 63 =$

$5/7 \times 28 =$

$5/7 \times 42 =$

$9/10 \times 80 =$

$7/10 \times 70 =$

$3/5 \times 45 =$

$1/4 \times 36 =$

$1/12 \times 144 =$

$2/7 \times 14 =$

$5/6 \times 54 =$

$2/5 \times 40 =$

$3/4 \times 28 =$

$1/4 \times 36 =$

$4/7 \times 7 =$

$4/11 \times 99 =$

$2/11 \times 44 =$

$1/11 \times 132 =$

$3/11 \times 33 =$

$3/10 \times 110 =$

$1/9 \times 54 =$

$5/9 \times 81 =$

$11/12 \times 24 =$

$1/5 \times 35 =$

$6/7 \times 56 =$

$10/11 \times 121 =$

$2/5 \times 40 =$

$7/12 \times 72 =$

$5/6 \times 36 =$

$4/5 \times 15 =$

$6/7 \times 84 =$

$3/8 \times 56 =$

$3/4 \times 8 =$

$2/3 \times 18 =$

$3/8 \times 24 =$

$1/7 \times 63 =$

$4/5 \times 30 =$

$1/2 \times 14 =$

$7/9 \times 27 =$

$7/9 \times 72 =$

$7/12 \times 60 =$

$3/4 \times 28 =$

$9/10 \times 100 =$

Beat Your Best

Red Fractions

(ANSWERS)



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$\frac{1}{2} \times 18 = 9$	$\frac{8}{9} \times 108 = 96$	$\frac{1}{5} \times 40 = 8$	$\frac{7}{12} \times 84 = 49$
$\frac{7}{8} \times 32 = 28$	$\frac{1}{6} \times 42 = 7$	$\frac{3}{7} \times 21 = 9$	$\frac{2}{9} \times 81 = 18$
$\frac{3}{5} \times 45 = 27$	$\frac{4}{7} \times 35 = 20$	$\frac{5}{8} \times 8 = 5$	$\frac{5}{8} \times 64 = 40$
$\frac{4}{9} \times 81 = 36$	$\frac{5}{9} \times 27 = 15$	$\frac{3}{10} \times 100 = 30$	$\frac{1}{6} \times 42 = 7$
$\frac{6}{11} \times 33 = 18$	$\frac{9}{11} \times 99 = 81$	$\frac{7}{11} \times 44 = 28$	$\frac{2}{3} \times 21 = 14$
$\frac{5}{12} \times 84 = 35$	$\frac{1}{12} \times 132 = 11$	$\frac{11}{12} \times 120 = 110$	$\frac{3}{7} \times 28 = 12$
$\frac{9}{10} \times 90 = 81$	$\frac{7}{10} \times 80 = 56$	$\frac{2}{7} \times 35 = 10$	$\frac{4}{5} \times 35 = 28$
$\frac{3}{4} \times 48 = 36$	$\frac{5}{8} \times 72 = 45$	$\frac{1}{6} \times 54 = 9$	$\frac{3}{4} \times 28 = 21$
$\frac{5}{6} \times 54 = 45$	$\frac{1}{3} \times 27 = 9$	$\frac{3}{8} \times 32 = 12$	$\frac{8}{9} \times 27 = 24$
$\frac{6}{7} \times 49 = 42$	$\frac{3}{7} \times 28 = 12$	$\frac{2}{9} \times 27 = 6$	$\frac{6}{7} \times 63 = 54$
$\frac{1}{9} \times 27 = 3$	$\frac{1}{10} \times 80 = 8$	$\frac{5}{12} \times 72 = 30$	$\frac{3}{4} \times 20 = 15$
$\frac{2}{3} \times 18 = 12$	$\frac{7}{8} \times 16 = 14$	$\frac{1}{8} \times 72 = 9$	$\frac{7}{8} \times 72 = 63$
$\frac{11}{12} \times 96 = 88$	$\frac{4}{9} \times 36 = 16$	$\frac{4}{7} \times 42 = 24$	$\frac{5}{12} \times 132 = 55$
$\frac{2}{9} \times 63 = 14$	$\frac{8}{11} \times 132 = 96$	$\frac{2}{5} \times 60 = 24$	$\frac{7}{9} \times 72 = 56$
$\frac{1}{8} \times 48 = 6$	$\frac{3}{5} \times 25 = 15$	$\frac{8}{9} \times 63 = 56$	$\frac{5}{7} \times 28 = 20$
$\frac{5}{7} \times 42 = 30$	$\frac{9}{10} \times 80 = 72$	$\frac{7}{10} \times 70 = 49$	$\frac{3}{5} \times 45 = 27$
$\frac{1}{4} \times 36 = 9$	$\frac{1}{12} \times 144 = 12$	$\frac{2}{7} \times 14 = 4$	$\frac{5}{6} \times 54 = 45$
$\frac{2}{5} \times 40 = 16$	$\frac{3}{4} \times 28 = 21$	$\frac{1}{4} \times 36 = 9$	$\frac{4}{7} \times 7 = 4$
$\frac{4}{11} \times 99 = 36$	$\frac{2}{11} \times 44 = 8$	$\frac{1}{11} \times 132 = 12$	$\frac{3}{11} \times 33 = 9$
$\frac{3}{10} \times 110 = 33$	$\frac{1}{9} \times 54 = 6$	$\frac{5}{9} \times 81 = 45$	$\frac{11}{12} \times 24 = 22$
$\frac{1}{5} \times 35 = 7$	$\frac{6}{7} \times 56 = 48$	$\frac{10}{11} \times 121 = 110$	$\frac{2}{5} \times 40 = 16$
$\frac{7}{12} \times 72 = 42$	$\frac{5}{6} \times 36 = 30$	$\frac{4}{5} \times 15 = 12$	$\frac{6}{7} \times 84 = 72$
$\frac{3}{8} \times 56 = 21$	$\frac{3}{4} \times 8 = 6$	$\frac{2}{3} \times 18 = 12$	$\frac{3}{8} \times 24 = 9$
$\frac{1}{7} \times 63 = 9$	$\frac{4}{5} \times 30 = 24$	$\frac{1}{2} \times 14 = 7$	$\frac{7}{9} \times 27 = 21$
$\frac{7}{9} \times 72 = 56$	$\frac{7}{12} \times 60 = 35$	$\frac{3}{4} \times 28 = 21$	$\frac{9}{10} \times 100 = 90$



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Red Phase

Fractions

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Fractions, Decimals & Percentages

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(Allow 5 mins max.)

$\frac{1}{4}$ of 48 =	$\frac{5}{8}$ of 40 =	$\frac{1}{8}$ of 64 =	$\frac{7}{9}$ of 54 =
$\frac{2}{3}$ of 24 =	$\frac{3}{11}$ of 22 =	25% of 12 =	$28 \div 0.7 =$
$2.4 \div 2 =$	75% of 28 =	$\frac{2}{3}$ of 6 =	$\frac{3}{12}$ of 144 =
25% of 40 =	15% of 40 =	70% of 70 =	$\frac{4}{5}$ of 45 =
$\frac{4}{9}$ of 81 =	$\frac{3}{12}$ of 48 =	$8.4 \div 1.2 =$	$12\frac{1}{2}\%$ of 64 =
$1.2 \times 1.2 =$	$0.7 \times 8 =$	30% of 90 =	50% of 22 =
$\frac{3}{7}$ of 21 =	$\frac{3}{5}$ of 60 =	$12\frac{1}{2}\%$ of 96 =	$33\frac{1}{3}\%$ of 18 =
10% of 70 =	$\frac{4}{7}$ of 49 =	75% of 36 =	$\frac{5}{6}$ of 72 =
1% of 12 =	50% of 2 =	$\frac{7}{10}$ of 20 =	40% of 40 =
$\frac{5}{6}$ of 54 =	80% of 80 =	1% of 11 =	$81 \div 0.9 =$
$\frac{3}{4}$ of 48 =	$12\frac{1}{2}\%$ of 16 =	5% of 40 =	$0.6 \times 0.6 =$
50% of 22 =	$4.2 \div 7 =$	$1.2 \times 0.4 =$	90% of 100 =
30% of 80 =	$\frac{2}{5}$ of 45 =	80% of 60 =	$1.2 \times 0.9 =$
$6 \times 0.9 =$	$\frac{9}{11}$ of 55 =	$\frac{2}{7}$ of 14 =	$24 \div 0.2 =$
$\frac{7}{8}$ of 72 =	$1.1 \times 1.1 =$	$\frac{3}{4}$ of 1.2 =	75% of 4 =
$\frac{1}{2}$ of 24 =	$\frac{3}{8}$ of 8 =	25% of 4 =	$\frac{6}{7}$ of 49 =
$8.1 \div 9 =$	75% of 16 =	$33\frac{1}{3}\%$ of 3 =	$\frac{8}{11}$ of 22 =
$0.3 \times 0.6 =$	$33\frac{1}{3}\%$ of 36 =	$2.7 \div 9 =$	$\frac{11}{12}$ of 84 =
$33\frac{1}{3}\%$ of 27 =	60% of 70 =	$1.2 \times 10 =$	$8 \times 1.2 =$
25% of 32 =	90% of 90 =	60% of 90 =	5% of 80 =
5% of 20 =	$0.5 \times 0.5 =$	70% of 80 =	$\frac{5}{7}$ of 35 =
$\frac{7}{12}$ of 84 =	$32 \div 0.8 =$	1% of 10 =	$12\frac{1}{2}\%$ of 56 =
$2.7 \div 0.3 =$	$7.2 \div 0.9 =$	$\frac{5}{12}$ of 72 =	25% of 2 =
$48 \div 1.2 =$	40% of 20 =	$\frac{8}{9}$ of 36 =	$36 \div 1.2 =$
$12\frac{1}{2}\%$ of 32 =	$\frac{2}{3}$ of 9 =	25% of 24 =	$132 \div 1.1 =$

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Fractions, Decimals & Percentages

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(ANSWERS)

$\frac{1}{4}$ of 48 = 12	$\frac{5}{8}$ of 40 = 25	$\frac{1}{8}$ of 64 = 8	$\frac{7}{9}$ of 54 = 42
$\frac{2}{3}$ of 24 = 16	$\frac{3}{11}$ of 22 = 6	25% of 12 = 3	$28 \div 0.7 = 40$
$2.4 \div 2 = 1.2$	75% of 28 = 21	$\frac{2}{3}$ of 6 = 4	$\frac{3}{12}$ of 144 = 36
25% of 40 = 10	15% of 40 = 6	70% of 70 = 49	$\frac{4}{5}$ of 45 = 36
$\frac{4}{9}$ of 81 = 36	$\frac{3}{12}$ of 48 = 12	$8.4 \div 1.2 = 7$	$12\frac{1}{2}\%$ of 64 = 8
$1.2 \times 1.2 = 1.44$	$0.7 \times 8 = 5.6$	30% of 90 = 27	50% of 22 = 11
$\frac{3}{7}$ of 21 = 9	$\frac{3}{5}$ of 60 = 36	$12\frac{1}{2}\%$ of 96 = 12	$33\frac{1}{3}\%$ of 18 = 6
10% of 70 = 7	$\frac{4}{7}$ of 49 = 28	75% of 36 = 27	$\frac{5}{6}$ of 72 = 60
1% of 12 = 0.12	50% of 2 = 1	$\frac{7}{10}$ of 20 = 14	40% of 40 = 16
$\frac{5}{6}$ of 54 = 45	80% of 80 = 64	1% of 11 = 0.11	$81 \div 0.9 = 90$
$\frac{3}{4}$ of 48 = 36	$12\frac{1}{2}\%$ of 16 = 2	5% of 40 = 2	$0.6 \times 0.6 = 0.36$
50% of 22 = 11	$4.2 \div 7 = 0.6$	$1.2 \times 0.4 = 0.48$	90% of 100 = 90
30% of 80 = 24	$\frac{2}{5}$ of 45 = 18	80% of 60 = 48	$1.2 \times 0.9 = 1.08$
$6 \times 0.9 = 5.4$	$\frac{9}{11}$ of 55 = 45	$\frac{2}{7}$ of 14 = 4	$24 \div 0.2 = 120$
$\frac{7}{8}$ of 72 = 63	$1.1 \times 1.1 = 1.21$	$\frac{3}{4}$ of 1.2 = 0.9	75% of 4 = 3
$\frac{1}{2}$ of 24 = 12	$\frac{3}{8}$ of 8 = 3	25% of 4 = 1	$\frac{6}{7}$ of 49 = 42
$8.1 \div 9 = 0.9$	75% of 16 = 12	$33\frac{1}{3}\%$ of 3 = 1	$\frac{8}{11}$ of 22 = 16
$0.3 \times 0.6 = 0.18$	$33\frac{1}{3}\%$ of 36 = 12	$2.7 \div 9 = 0.3$	$\frac{11}{12}$ of 84 = 77
$33\frac{1}{3}\%$ of 27 = 9	60% of 70 = 42	$1.2 \times 10 = 12$	$8 \times 1.2 = 9.6$
25% of 32 = 8	90% of 90 = 81	60% of 90 = 54	5% of 80 = 4
5% of 20 = 1	$0.5 \times 0.5 = 0.25$	70% of 80 = 56	$\frac{5}{7}$ of 35 = 25
$\frac{7}{12}$ of 84 = 49	$32 \div 0.8 = 40$	1% of 10 = 0.1	$12\frac{1}{2}\%$ of 56 = 7
$2.7 \div 0.3 = 9$	$7.2 \div 0.9 = 8$	$\frac{5}{12}$ of 72 = 30	25% of 2 = 0.5
$48 \div 1.2 = 40$	40% of 20 = 8	$\frac{8}{9}$ of 36 = 32	$36 \div 1.2 = 30$
$12\frac{1}{2}\%$ of 32 = 4	$\frac{2}{3}$ of 9 = 6	25% of 24 = 6	$132 \div 1.1 = 120$



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Red Phase

Fractions, Decimals
& Percentages

Name: _____

Brilliant!!

100 in 5 minutes.

Date: _____



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Fractions, Decimals
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Name: _____

Brilliant!!

100 in 5 minutes.

Date: _____

Beat Your Best

Red Percentages

(Allow 5 mins max.)



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50% of 18 =	10% of 50 =	25% x 4 =	1% of 1000 =
10% x 70 =	15% x 40 =	45% of 400 =	35% of 40 =
25% of 24 =	5% of 50 =	$66\frac{2}{3}\%$ x 12 =	10% x 77 =
1% of 200 =	100% of 8 =	15% of 20 =	65% of 20 =
11% x 100 =	1% x 200 =	25% x 160 =	20% x 35 =
75% of 16 =	15% of 400 =	40% of 70 =	2% of 240 =
30% x 90 =	85% of 1metre = cm	6% x 200 =	85% x 40 =
15% of 60 =	65% x 80 =	35% of 600 =	65% of 1 metre = cm
10% of 1hr = mins	20% of 180 =	20% x 55 =	5% of 50 =
100% of 300 =	25% of 1000 =	90% of 10 =	$66\frac{2}{3}\%$ x 99 =
25% x 32 =	2% of 300 =	55% x 80 =	8% of 400 =
$33\frac{1}{3}\%$ of 27 =	25% x 84 =	5% of 40 =	70% of 60 =
40% x 60 =	60% of 40 =	1% x 80 =	80% x 70 =
1% of 30 =	75% x 48 =	75% of 1hr = mins	90% of 60 =
70% x 80 =	35% of 60 =	10% of 250 =	75% of 8 =
85% of 20 =	$33\frac{1}{3}\%$ x 90 =	95% x 60 =	$12\frac{1}{2}\%$ x 96 =
$12\frac{1}{2}\%$ x 16 =	7% x 500 =	50% of 250 =	55% of 200 =
60% of 1min = sec	15% x 1000 =	85% x 80 =	65% x 80 =
35% x 100 =	50% of 70 =	100% of 275 =	1% of 370 =
25% of 40 =	80% x 50 =	20% x 140 =	50% x 15 =
75% x 28 =	4% of 300 =	15% of 660 =	5% of 1hr = mins
$66\frac{2}{3}\%$ of 30 =	65% x 120 =	$12\frac{1}{2}\%$ x 240 =	$33\frac{1}{3}\%$ of 36 =
45% x 40 =	10% of 84 =	2% of 180 =	10% x 18 =
10% of 35 =	50% of 1km = m	25% x 32 =	5% of 42 =
$12\frac{1}{2}\%$ x 80 =	$12\frac{1}{2}\%$ of 1day = hrs	6% x 300 =	$66\frac{2}{3}\%$ of 18 =

Beat Your Best

Red Percentages

(ANSWERS)



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50% of 18 = 9	10% of 50 = 5	25% x 4 = 1	1% of 1000 = 10
10% x 70 = 7	15% x 40 = 6	45% of 400 = 180	35% of 40 = 14
25% of 24 = 6	5% of 50 = 2.5	66 ² / ₃ % x 12 = 8	10% x 77 = 7.7
1% of 200 = 2	100% of 8 = 8	15% of 20 = 3	65% of 20 = 13
11% x 100 = 11	1% x 200 = 2	25% x 160 = 40	20% x 35 = 7
75% of 16 = 12	15% of 400 = 60	40% of 70 = 28	2% of 240 = 4.8
30% x 90 = 27	85% of 1metre = 85cm	6% x 200 = 12	85% x 40 = 34
15% of 60 = 9	65% x 80 = 52	35% of 600 = 210	65% of 1 metre = 65cm
10% of 1hr = 6mins	20% of 180 = 36	20% x 55 = 11	5% of 50 = 2.5
100% of 300 = 300	25% of 1000 = 250	90% of 10 = 9	66 ² / ₃ % x 99 = 66
25% x 32 = 8	2% of 300 = 6	55% x 80 = 44	8% of 400 = 32
33 ¹ / ₃ % of 27 = 9	25% x 84 = 21	5% of 40 = 2	70% of 60 = 42
40% x 60 = 24	60% of 40 = 24	1% x 80 = 0.8	80% x 70 = 56
1% of 30 = 0.3	75% x 48 = 36	75% of 1hr = 45mins	90% of 60 = 54
70% x 80 = 56	35% of 60 = 21	10% of 250 = 25	75% of 8 = 6
85% of 20 = 17	33 ¹ / ₃ % x 90 = 30	95% x 60 = 57	12 ¹ / ₂ % x 96 = 12
12 ¹ / ₂ % x 16 = 2	7% x 500 = 35	50% of 250 = 125	55% of 200 = 110
60% of 1min = 36secs	15% x 1000 = 150	85% x 80 = 68	65% x 80 = 52
35% x 100 = 35	50% of 70 = 35	100% of 275 = 275	1% of 370 = 3.7
25% of 40 = 10	80% x 50 = 40	20% x 140 = 28	50% x 15 = 7.5
75% x 28 = 21	4% of 300 = 12	15% of 660 = 99	5% of 1hr = 3mins
66 ² / ₃ % of 30 = 20	65% x 120 = 78	12 ¹ / ₂ % x 240 = 30	33 ¹ / ₃ % of 36 = 12
45% x 40 = 18	10% of 84 = 8.4	2% of 180 = 3.6	10% x 18 = 1.8
10% of 35 = 3.5	50% of 1km = 500m	25% x 32 = 8	5% of 42 = 2.1
12 ¹ / ₂ % x 80 = 10	12 ¹ / ₂ % of 1day = 3hrs	6% x 300 = 18	66 ² / ₃ % of 18 = 12



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Red Phase

Red Percentages

Name: _____

Brilliant!!

100 in 5 minutes.

Date: _____



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Red Phase

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Red Phase Intelligent Practice Result Sheet

Name: _____

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