



UNIT FRACTIONS OF NUMBERS SHEET 5

Use your division knowledge to work out these unit fractions of numbers.

- | | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|
| 1) $\frac{1}{7}$ of 28 = | 2) $\frac{1}{4}$ of 32 = | 3) $\frac{1}{8}$ of 24 = | 4) $\frac{1}{10}$ of 70 = |
| 5) $\frac{1}{5}$ of 45 = | 6) $\frac{1}{4}$ of 40 = | 7) $\frac{1}{3}$ of 24 = | 8) $\frac{1}{9}$ of 63 = |
| 9) $\frac{1}{6}$ of 48 = | 10) $\frac{1}{8}$ of 40 = | 11) $\frac{1}{4}$ of 44 = | 12) $\frac{1}{7}$ of 49 = |
| 13) $\frac{1}{8}$ of 72 = | 14) $\frac{1}{9}$ of 90 = | 15) $\frac{1}{6}$ of 54 = | 16) $\frac{1}{7}$ of 56 = |
| 17) $\frac{1}{9}$ of 81 = | 18) $\frac{1}{2}$ of 72 = | 19) $\frac{1}{4}$ of 60 = | 20) $\frac{1}{8}$ of 64 = |

Find the missing numbers

- | | | |
|-------------------------------|------------------------------|------------------------------|
| 21) $\frac{1}{4}$ of ___ = 3 | 22) $\frac{1}{8}$ of ___ = 2 | 23) $\frac{1}{7}$ of ___ = 3 |
| 24) $\frac{1}{3}$ of ___ = 5 | 25) $\frac{1}{6}$ of ___ = 4 | 26) $\frac{1}{9}$ of ___ = 1 |
| 27) $\frac{1}{5}$ of ___ = 10 | 28) $\frac{1}{3}$ of ___ = 6 | 29) $\frac{1}{4}$ of ___ = 7 |

CALCULATOR FRACTION CHALLENGE

Use a calculator to work out these fractions using division.

- | | | |
|----------------------------|-----------------------------|-----------------------------|
| 30) $\frac{1}{3}$ of 126 = | 31) $\frac{1}{4}$ of 192 = | 32) $\frac{1}{7}$ of 322 = |
| 33) $\frac{1}{8}$ of 296 = | 34) $\frac{1}{12}$ of 324 = | 35) $\frac{1}{9}$ of 648 = |
| 36) $\frac{1}{6}$ of 528 = | 37) $\frac{1}{3}$ of 477 = | 38) $\frac{1}{4}$ of 672 = |
| 39) $\frac{1}{7}$ of 756 = | 40) $\frac{1}{9}$ of 783 = | 41) $\frac{1}{10}$ of 890 = |
| 42) $\frac{1}{6}$ of 858 = | 43) $\frac{1}{8}$ of 632 = | 44) $\frac{1}{3}$ of 882 = |
- 45) In a pine forest there are a total of 1242 tiger salamanders. Half of the salamanders are barred tiger salamanders, a third of the salamanders are gray tiger salamanders and a sixth of the salamanders are blotched tiger salamanders. How many of each type are there?



Name

Date



UNIT FRACTIONS OF NUMBERS SHEET 5 ANSWERS

- 1) $\frac{1}{7}$ of 28 = 4 2) $\frac{1}{4}$ of 32 = 8 3) $\frac{1}{8}$ of 24 = 3 4) $\frac{1}{10}$ of 70 = 7
 5) $\frac{1}{5}$ of 45 = 9 6) $\frac{1}{4}$ of 40 = 10 7) $\frac{1}{3}$ of 24 = 8 8) $\frac{1}{9}$ of 63 = 7
 9) $\frac{1}{6}$ of 48 = 8 10) $\frac{1}{8}$ of 40 = 5 11) $\frac{1}{4}$ of 44 = 11 12) $\frac{1}{7}$ of 49 = 7
 13) $\frac{1}{8}$ of 72 = 9 14) $\frac{1}{9}$ of 90 = 10 15) $\frac{1}{6}$ of 54 = 9 16) $\frac{1}{7}$ of 56 = 8
 17) $\frac{1}{9}$ of 81 = 9 18) $\frac{1}{2}$ of 72 = 36 19) $\frac{1}{4}$ of 60 = 15 20) $\frac{1}{8}$ of 64 = 8

- 21) $\frac{1}{4}$ of 12 = 3 22) $\frac{1}{8}$ of 16 = 2 23) $\frac{1}{7}$ of 21 = 3
 24) $\frac{1}{3}$ of 15 = 5 25) $\frac{1}{6}$ of 24 = 4 26) $\frac{1}{9}$ of 9 = 1
 27) $\frac{1}{5}$ of 50 = 10 28) $\frac{1}{3}$ of 18 = 6 29) $\frac{1}{4}$ of 28 = 7

CALCULATOR FRACTION CHALLENGE

- 30) $\frac{1}{3}$ of 126 = 42 31) $\frac{1}{4}$ of 192 = 48 32) $\frac{1}{7}$ of 322 = 46
 33) $\frac{1}{8}$ of 296 = 37 34) $\frac{1}{12}$ of 324 = 27 35) $\frac{1}{9}$ of 648 = 72
 36) $\frac{1}{6}$ of 528 = 88 37) $\frac{1}{3}$ of 477 = 159 38) $\frac{1}{4}$ of 672 = 168
 39) $\frac{1}{7}$ of 756 = 108 40) $\frac{1}{9}$ of 783 = 87 41) $\frac{1}{10}$ of 890 = 89
 42) $\frac{1}{6}$ of 858 = 143 43) $\frac{1}{8}$ of 632 = 79 44) $\frac{1}{3}$ of 882 = 294
 45) Barred tiger salamanders 621
 Gray tiger salamanders 414
 Blotched tiger salamanders 207

