UNIT FRACTIONS OF NUMBERS 3

Use your division knowledge to work out these unit fractions of numbers. Remember when you third a number, you are splitting it into 3 equal parts, or dividing it by 3.

1) $\frac{1}{3}$ of 21 = 21 ÷ 3 = 7

2) ¼ of 20 = 20 ÷ 4 = ___

3) $\frac{1}{6}$ of 12 = 12 ÷ 6 = ___

4) $\frac{1}{7}$ of 35 = 35 ÷ 7 = ___

5) $\frac{1}{5}$ of 40 = 40 ÷ 5 = ___

6) $\frac{1}{9}$ of 27 = 27 ÷ 9 = ___

7) $\frac{1}{10}$ of 60 = 60 ÷ 10 = ___

8) $\frac{1}{3}$ of 30 = 30 ÷ 3 = ___

9) $\frac{1}{8}$ of 40 = 40 ÷ ___ = ___

10) $\frac{1}{6}$ of 36 = 36 ÷ ___ = ___

11) $\frac{1}{5}$ of 45 = ___ ÷ ___ = ___

12) $\frac{1}{7}$ of 42 = ___ ÷ ___ = ___

13) $\frac{1}{9}$ of 36 = ___ ÷ ___ = ___

14) ¼ of 32 = ___ ÷ ___ = ___

15) $\frac{1}{8}$ of 56 = ___ ÷ ___ = ___

16) $\frac{1}{7}$ of 70 = ___ ÷ ___ = ___

CALCULATOR FRACTION CHALLENGE

Use a calculator to work out these fractions using division.

17) ¼ of 64 = ___ ÷ ___ = ___

18) $\frac{1}{6}$ of 132 = ____ ÷ ___ = ___

19) $\frac{1}{9}$ of 279 = ____ ÷ ___ = ___

20) $\frac{1}{7}$ of 189 = ____ ÷ ___ = ___

21) $\frac{1}{8}$ of 416 = ____ ÷ ___ = ___

22) $\frac{1}{5}$ of 185 = ____ ÷ ___ = ___

23) $\frac{1}{3}$ of 414 = ____ ÷ ___ = ____

24) ¼ of 528 = ____ ÷ ___ = ____

25) There are 144 salamanders swimming in a pond. A loud noise scares a third of them away. How many get scared away? How many are left?

UNIT FRACTIONS OF NUMBERS 3 ANSWERS

1) $\frac{1}{3}$ of 21 = 21 ÷ 3 = <u>7</u>

2) ¼ of 20 = 20 ÷ 4 = <u>5</u>

3) $\frac{1}{6}$ of 12 = 12 ÷ 6 = <u>2</u>

4) $\frac{1}{7}$ of 35 = 35 ÷ 7 = <u>5</u>

5) $\frac{1}{5}$ of 40 = 40 ÷ 5 = <u>8</u>

6) $\frac{1}{9}$ of 27 = 27 ÷ 9 = <u>3</u>

7) $\frac{1}{10}$ of 60 = 60 ÷ 10 = <u>6</u>

8) $\frac{1}{3}$ of 30 = 30 ÷ 3 = <u>10</u>

9) $\frac{1}{8}$ of 40 = 40 ÷ <u>8</u> = <u>5</u>

10) $\frac{1}{6}$ of 36 = 36 ÷ <u>6</u> = <u>6</u>

11) $\frac{1}{5}$ of 45 = <u>45</u> ÷ <u>5</u> = <u>9</u>

12) $\frac{1}{7}$ of 42 = <u>42</u> ÷ <u>7</u> = <u>6</u>

13) $\frac{1}{9}$ of 36 = <u>36</u> ÷ <u>9</u> = <u>4</u>

14) ¼ of 32 = <u>32</u> ÷ <u>4</u> = <u>8</u>

15) $\frac{1}{8}$ of 56 = <u>56</u> ÷ <u>8</u> = <u>7</u>

16) $\frac{1}{7}$ of 70 = <u>70</u> ÷ <u>7</u> = <u>10</u>

CALCULATOR FRACTION CHALLENGE

17) ¼ of 64 = <u>64</u> ÷ <u>4</u> = <u>16</u>

18) $\frac{1}{6}$ of 132 = <u>132</u> ÷ <u>6</u> = <u>22</u>

19) $\frac{1}{9}$ of 279 = <u>279</u> ÷ <u>9</u> = <u>31</u>

20) $\frac{1}{7}$ of 189 = <u>189</u> ÷ <u>7</u> = <u>27</u>

21) $\frac{1}{8}$ of 416 = <u>416</u> ÷ <u>8</u> = <u>52</u>

22) $\frac{1}{5}$ of 185 = <u>185</u> ÷ <u>5</u> = <u>37</u>

23) $\frac{1}{3}$ of 414 = <u>414</u> ÷ <u>3</u> = <u>138</u>

24) ¼ of 528 = <u>528</u> ÷ <u>4</u> = <u>132</u>

25) There are 144 salamanders swimming in a pond. A loud noise scares a third of them away.
How many get scared away? <u>144 ÷ 3 = 48</u>.
How many are left? <u>144 - 48 = 96.</u>