

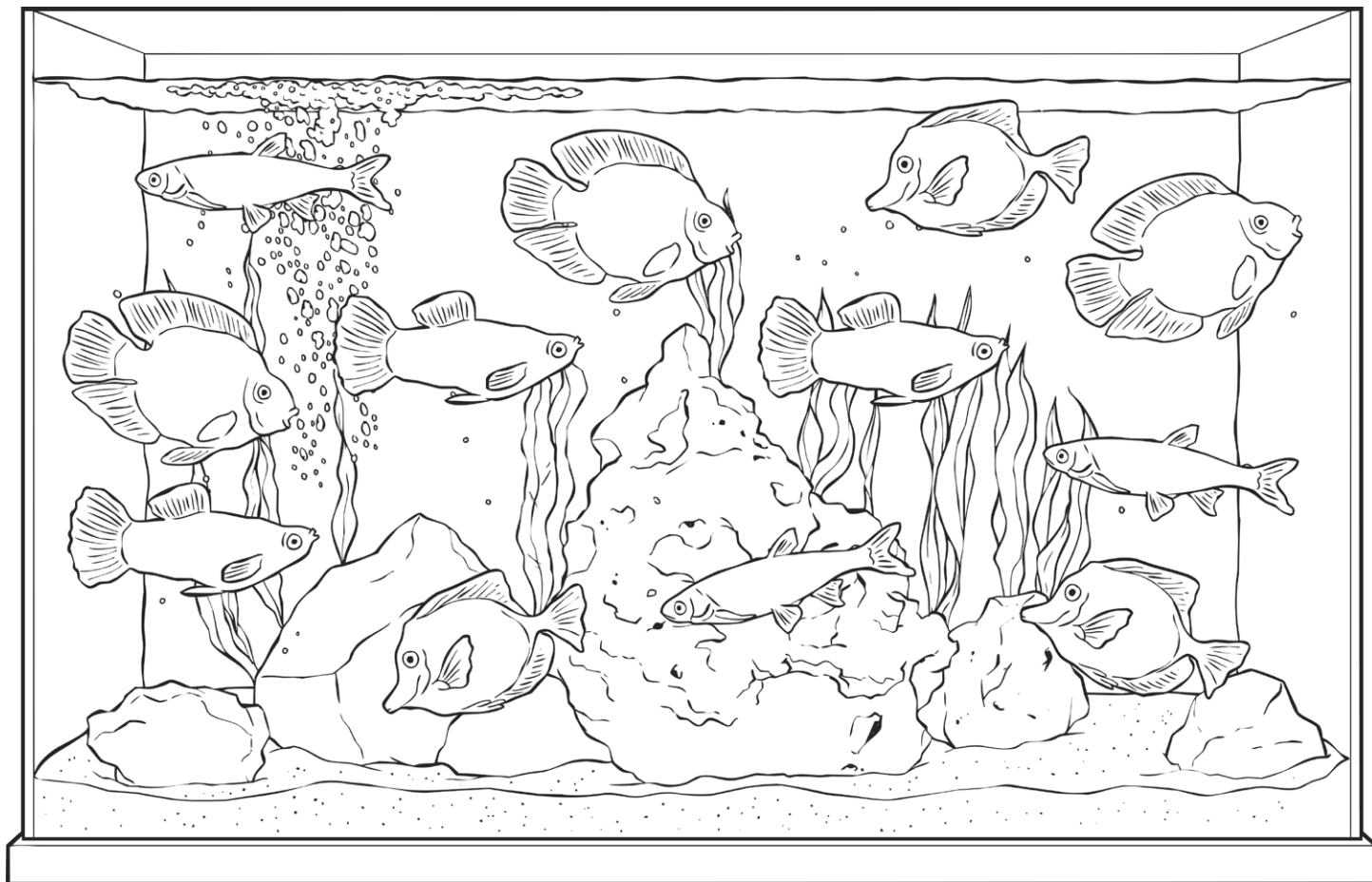


# Fish Tank Fractions

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 12 fish.

What fractions of the fish can you calculate? How many different answers are there?





# Fish Tank Fractions **Answers**

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 12 fish.

What fractions of the 12 fish can you calculate?

**By dividing 12 by the denominator and then multiplying by the numerator (giving whole number answers for both calculations), the following fractions of 12 can be found:**

$$\frac{1}{2} \text{ of } 12 = 6$$

$$\frac{3}{6} \text{ of } 12 = 6$$

$$\frac{6}{12} \text{ of } 12 = 6$$

$$\frac{1}{3} \text{ of } 12 = 4$$

$$\frac{4}{6} \text{ of } 12 = 8$$

$$\frac{7}{12} \text{ of } 12 = 7$$

$$\frac{2}{3} \text{ of } 12 = 8$$

$$\frac{5}{6} \text{ of } 12 = 10$$

$$\frac{8}{12} \text{ of } 12 = 8$$

$$\frac{1}{4} \text{ of } 12 = 3$$

$$\frac{1}{12} \text{ of } 12 = 1$$

$$\frac{9}{12} \text{ of } 12 = 9$$

$$\frac{2}{4} \text{ of } 12 = 6$$

$$\frac{2}{12} \text{ of } 12 = 2$$

$$\frac{10}{12} \text{ of } 12 = 10$$

$$\frac{3}{4} \text{ of } 12 = 9$$

$$\frac{3}{12} \text{ of } 12 = 3$$

$$\frac{11}{12} \text{ of } 12 = 11$$

$$\frac{1}{6} \text{ of } 12 = 2$$

$$\frac{4}{12} \text{ of } 12 = 4$$

$$\frac{2}{6} \text{ of } 12 = 4$$

$$\frac{5}{12} \text{ of } 12 = 5$$

**Multiple other fractions of 12 can be found by finding equivalent fractions of the fractions used above. Examples of these include:**

$$\frac{2}{8} \text{ of } 12 = 3$$

$$\frac{4}{8} \text{ of } 12 = 6$$

$$\frac{6}{8} \text{ of } 12 = 9$$

$$\frac{3}{9} \text{ of } 12 = 4$$

$$\frac{6}{9} \text{ of } 12 = 8$$

$$\frac{5}{10} \text{ of } 12 = 6$$

**Whole number fractions could also be given, for example:  $\frac{2}{2}$  of 12 = 12.**

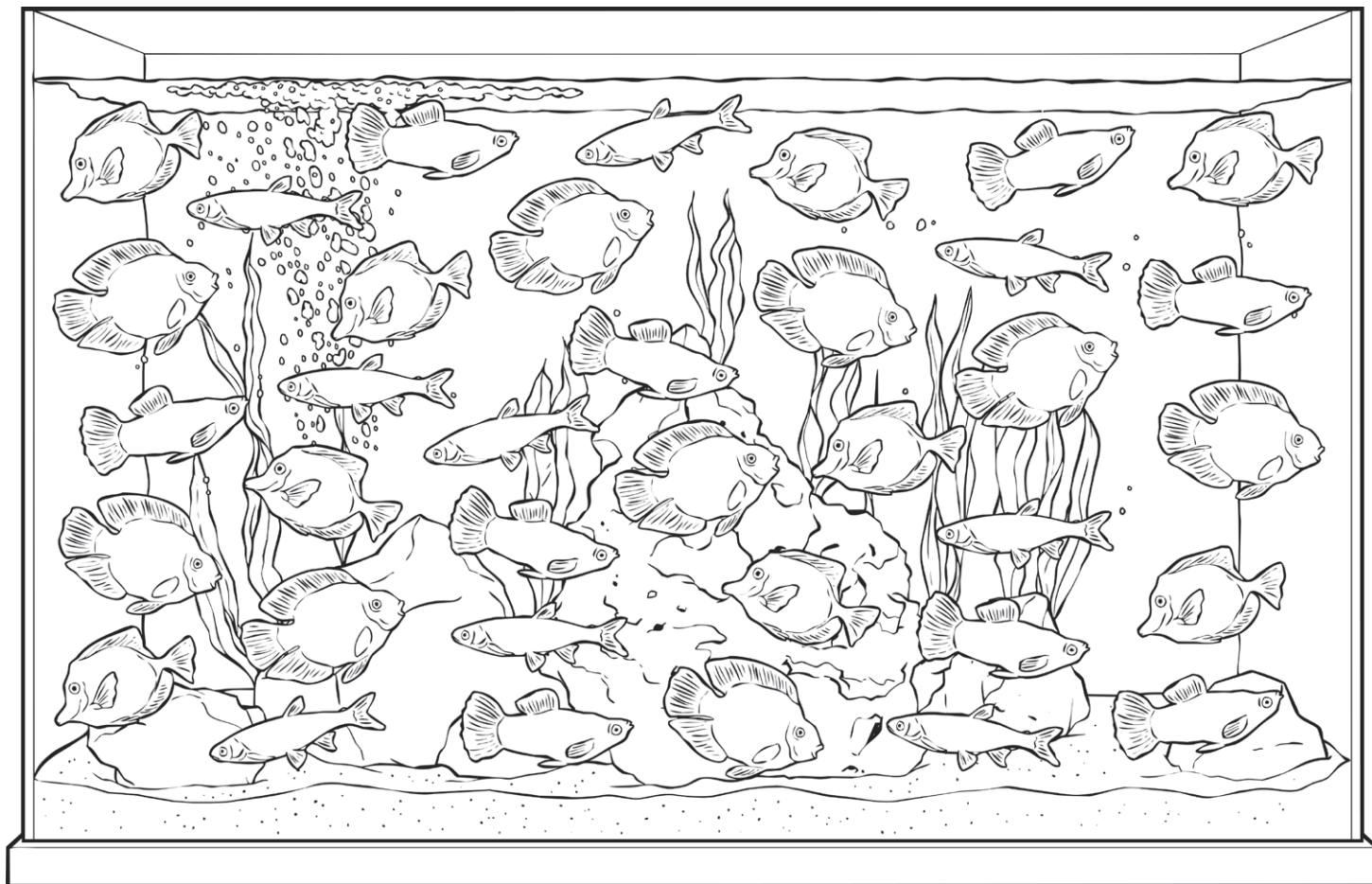


# Fish Tank Fractions

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 36 fish.

What fractions of the fish can you calculate? How many different answers are there?





# Fish Tank Fractions **Answers**

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 36 fish.

What fractions of the fish can you calculate?

**By dividing 36 by the denominator and then multiplying by the numerator (giving whole number answers for both calculations), the following fractions of 36 can be found:**

$$\frac{1}{2} \text{ of } 36 = 18$$

$$\frac{3}{12} \text{ of } 36 = 9$$

$$\frac{13}{18} \text{ of } 36 = 26$$

$$\frac{17}{36} \text{ of } 36 = 17$$

$$\frac{1}{3} \text{ of } 36 = 12$$

$$\frac{4}{12} \text{ of } 36 = 12$$

$$\frac{14}{18} \text{ of } 36 = 28$$

$$\frac{18}{36} \text{ of } 36 = 18$$

$$\frac{2}{3} \text{ of } 36 = 24$$

$$\frac{5}{12} \text{ of } 36 = 15$$

$$\frac{15}{18} \text{ of } 36 = 30$$

$$\frac{19}{36} \text{ of } 36 = 19$$

$$\frac{1}{4} \text{ of } 36 = 9$$

$$\frac{6}{12} \text{ of } 36 = 18$$

$$\frac{16}{18} \text{ of } 36 = 32$$

$$\frac{20}{36} \text{ of } 36 = 20$$

$$\frac{2}{4} \text{ of } 36 = 18$$

$$\frac{7}{12} \text{ of } 36 = 21$$

$$\frac{17}{18} \text{ of } 36 = 34$$

$$\frac{21}{36} \text{ of } 36 = 21$$

$$\frac{3}{4} \text{ of } 36 = 27$$

$$\frac{8}{12} \text{ of } 36 = 24$$

$$\frac{1}{36} \text{ of } 36 = 1$$

$$\frac{22}{36} \text{ of } 36 = 22$$

$$\frac{1}{6} \text{ of } 36 = 6$$

$$\frac{9}{12} \text{ of } 36 = 27$$

$$\frac{2}{36} \text{ of } 36 = 2$$

$$\frac{23}{36} \text{ of } 36 = 23$$

$$\frac{2}{6} \text{ of } 36 = 12$$

$$\frac{10}{12} \text{ of } 36 = 30$$

$$\frac{3}{36} \text{ of } 36 = 3$$

$$\frac{24}{36} \text{ of } 36 = 24$$

$$\frac{3}{6} \text{ of } 36 = 18$$

$$\frac{11}{12} \text{ of } 36 = 33$$

$$\frac{4}{36} \text{ of } 36 = 4$$

$$\frac{25}{36} \text{ of } 36 = 25$$

$$\frac{4}{6} \text{ of } 36 = 24$$

$$\frac{1}{18} \text{ of } 36 = 2$$

$$\frac{5}{36} \text{ of } 36 = 5$$

$$\frac{26}{36} \text{ of } 36 = 26$$

$$\frac{5}{6} \text{ of } 36 = 30$$

$$\frac{2}{18} \text{ of } 36 = 4$$

$$\frac{6}{36} \text{ of } 36 = 6$$

$$\frac{27}{36} \text{ of } 36 = 27$$

$$\frac{1}{9} \text{ of } 36 = 4$$

$$\frac{3}{18} \text{ of } 36 = 6$$

$$\frac{7}{36} \text{ of } 36 = 7$$

$$\frac{28}{36} \text{ of } 36 = 28$$

$$\frac{2}{9} \text{ of } 36 = 8$$

$$\frac{4}{18} \text{ of } 36 = 8$$

$$\frac{8}{36} \text{ of } 36 = 8$$

$$\frac{29}{36} \text{ of } 36 = 29$$

$$\frac{3}{9} \text{ of } 36 = 12$$

$$\frac{5}{18} \text{ of } 36 = 10$$

$$\frac{9}{36} \text{ of } 36 = 9$$

$$\frac{30}{36} \text{ of } 36 = 30$$

$$\frac{4}{9} \text{ of } 36 = 16$$

$$\frac{6}{18} \text{ of } 36 = 12$$

$$\frac{10}{36} \text{ of } 36 = 10$$

$$\frac{31}{36} \text{ of } 36 = 31$$

$$\frac{5}{9} \text{ of } 36 = 20$$

$$\frac{7}{18} \text{ of } 36 = 14$$

$$\frac{11}{36} \text{ of } 36 = 11$$

$$\frac{32}{36} \text{ of } 36 = 32$$

$$\frac{6}{9} \text{ of } 36 = 24$$

$$\frac{8}{18} \text{ of } 36 = 16$$

$$\frac{12}{36} \text{ of } 36 = 12$$

$$\frac{33}{36} \text{ of } 36 = 33$$

$$\frac{7}{9} \text{ of } 36 = 28$$

$$\frac{9}{18} \text{ of } 36 = 18$$

$$\frac{13}{36} \text{ of } 36 = 13$$

$$\frac{34}{36} \text{ of } 36 = 34$$

$$\frac{8}{9} \text{ of } 36 = 32$$

$$\frac{10}{18} \text{ of } 36 = 20$$

$$\frac{14}{36} \text{ of } 36 = 14$$

$$\frac{35}{36} \text{ of } 36 = 35$$

$$\frac{1}{12} \text{ of } 36 = 3$$

$$\frac{11}{18} \text{ of } 36 = 22$$

$$\frac{15}{36} \text{ of } 36 = 15$$

$$\frac{2}{12} \text{ of } 36 = 6$$

$$\frac{12}{18} \text{ of } 36 = 24$$

$$\frac{16}{36} \text{ of } 36 = 16$$



Multiple other fractions of 36 can be found by finding equivalent fractions of the fractions used above. Examples of these include:

$$\frac{2}{8} \text{ of } 36 = 9$$

$$\frac{5}{10} \text{ of } 36 = 18$$

$$\frac{10}{15} \text{ of } 36 = 24$$

$$\frac{8}{16} \text{ of } 36 = 18$$

$$\frac{4}{8} \text{ of } 36 = 18$$

$$\frac{7}{14} \text{ of } 36 = 18$$

$$\frac{4}{16} \text{ of } 36 = 9$$

$$\frac{12}{16} \text{ of } 36 = 27$$

$$\frac{6}{8} \text{ of } 36 = 27$$

$$\frac{5}{15} \text{ of } 36 = 12$$

Whole number fractions could also be given, for example:  $\frac{2}{2}$  of 36 = 36.

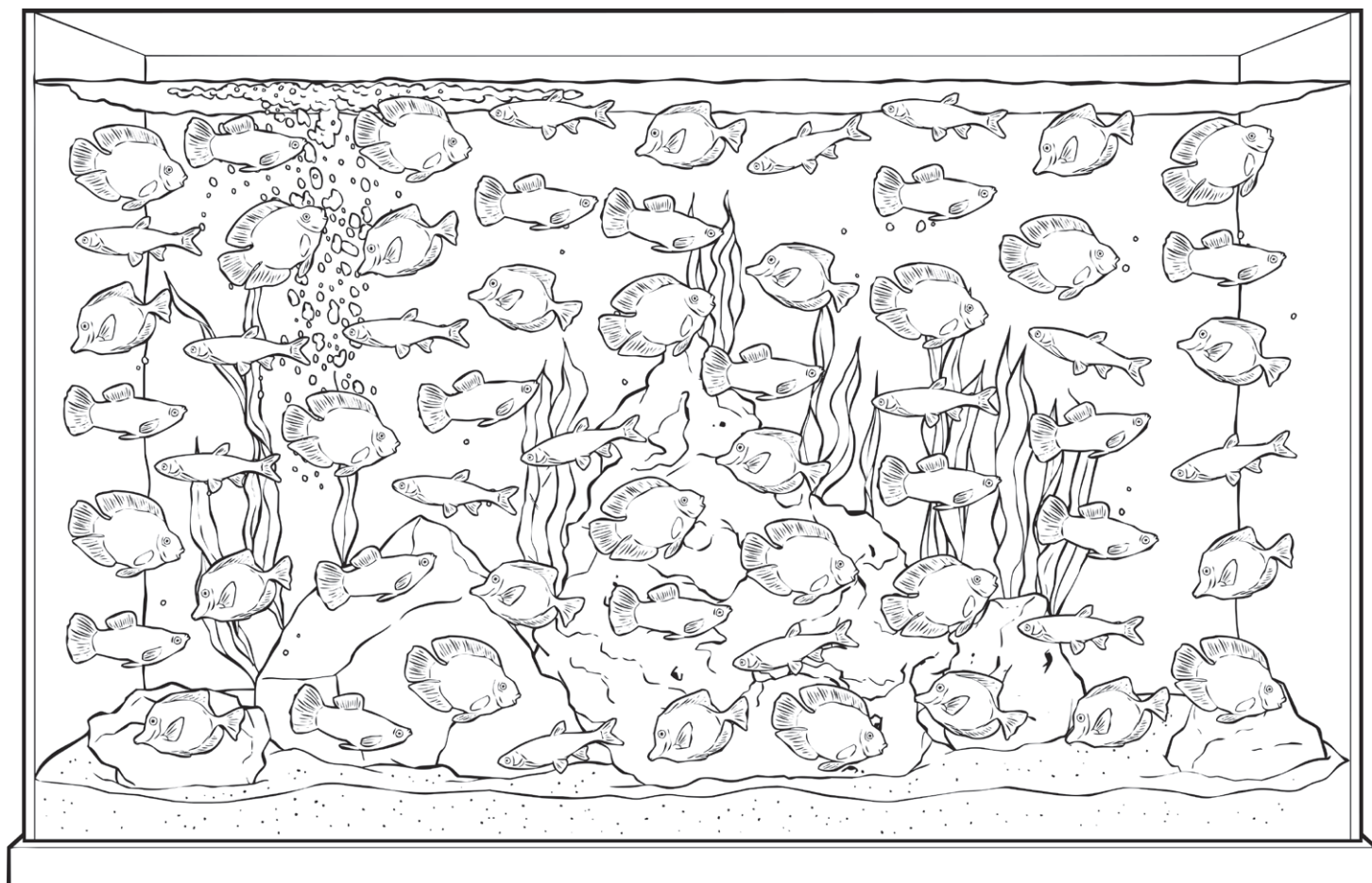


# Fish Tank Fractions

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 60 fish.

What fractions of the fish can you calculate? How many different answers are there?







# Fish Tank Fractions **Answers**

The fish are going to be put into different tanks but it needs to be decided what fraction of the fish gets put into each tank.

There are 60 fish.

What fractions of the fish can you calculate?

**By dividing 60 by the denominator and then multiplying by the numerator (giving whole number answers for both calculations), the following fractions of 60 can be found:**

$\frac{1}{2}$ of 60 = 30	$\frac{7}{10}$ of 60 = 42	$\frac{8}{15}$ of 60 = 32	$\frac{15}{20}$ of 60 = 45	$\frac{17}{30}$ of 60 = 34
$\frac{1}{3}$ of 60 = 20	$\frac{8}{10}$ of 60 = 48	$\frac{9}{15}$ of 60 = 36	$\frac{16}{20}$ of 60 = 48	$\frac{18}{30}$ of 60 = 36
$\frac{2}{3}$ of 60 = 40	$\frac{9}{10}$ of 60 = 54	$\frac{10}{15}$ of 60 = 40	$\frac{17}{20}$ of 60 = 51	$\frac{19}{30}$ of 60 = 38
$\frac{1}{4}$ of 60 = 15	$\frac{1}{12}$ of 60 = 5	$\frac{11}{15}$ of 60 = 44	$\frac{18}{20}$ of 60 = 54	$\frac{20}{30}$ of 60 = 40
$\frac{2}{4}$ of 60 = 30	$\frac{2}{12}$ of 60 = 10	$\frac{12}{15}$ of 60 = 48	$\frac{19}{20}$ of 60 = 57	$\frac{21}{30}$ of 60 = 42
$\frac{3}{4}$ of 60 = 45	$\frac{3}{12}$ of 60 = 15	$\frac{13}{15}$ of 60 = 52	$\frac{1}{30}$ of 60 = 2	$\frac{22}{30}$ of 60 = 44
$\frac{1}{5}$ of 60 = 12	$\frac{4}{12}$ of 60 = 20	$\frac{14}{15}$ of 60 = 56	$\frac{2}{30}$ of 60 = 4	$\frac{23}{30}$ of 60 = 46
$\frac{2}{5}$ of 60 = 24	$\frac{5}{12}$ of 60 = 25	$\frac{1}{20}$ of 60 = 3	$\frac{3}{30}$ of 60 = 6	$\frac{24}{30}$ of 60 = 48
$\frac{3}{5}$ of 60 = 36	$\frac{6}{12}$ of 60 = 30	$\frac{2}{20}$ of 60 = 6	$\frac{4}{30}$ of 60 = 8	$\frac{25}{30}$ of 60 = 50
$\frac{4}{5}$ of 60 = 48	$\frac{7}{12}$ of 60 = 35	$\frac{3}{20}$ of 60 = 9	$\frac{5}{30}$ of 60 = 10	$\frac{26}{30}$ of 60 = 52
$\frac{1}{6}$ of 60 = 10	$\frac{8}{12}$ of 60 = 40	$\frac{4}{20}$ of 60 = 12	$\frac{6}{30}$ of 60 = 12	$\frac{27}{30}$ of 60 = 54
$\frac{2}{6}$ of 60 = 20	$\frac{9}{12}$ of 60 = 45	$\frac{5}{20}$ of 60 = 15	$\frac{7}{30}$ of 60 = 14	$\frac{28}{30}$ of 60 = 56
$\frac{3}{6}$ of 60 = 30	$\frac{10}{12}$ of 60 = 50	$\frac{6}{20}$ of 60 = 18	$\frac{8}{30}$ of 60 = 16	$\frac{29}{30}$ of 60 = 58
$\frac{4}{6}$ of 60 = 40	$\frac{11}{12}$ of 60 = 55	$\frac{7}{20}$ of 60 = 21	$\frac{9}{30}$ of 60 = 18	$\frac{1}{60}$ of 60 = 1
$\frac{5}{6}$ of 60 = 50	$\frac{1}{15}$ of 60 = 4	$\frac{8}{20}$ of 60 = 24	$\frac{10}{30}$ of 60 = 20	$\frac{2}{60}$ of 60 = 2
$\frac{1}{10}$ of 60 = 6	$\frac{2}{15}$ of 60 = 8	$\frac{9}{20}$ of 60 = 27	$\frac{11}{30}$ of 60 = 22	$\frac{3}{60}$ of 60 = 3
$\frac{2}{10}$ of 60 = 12	$\frac{3}{15}$ of 60 = 12	$\frac{10}{20}$ of 60 = 30	$\frac{12}{30}$ of 60 = 24	$\frac{4}{60}$ of 60 = 4
$\frac{3}{10}$ of 60 = 18	$\frac{4}{15}$ of 60 = 16	$\frac{11}{20}$ of 60 = 33	$\frac{13}{30}$ of 60 = 26	$\frac{5}{60}$ of 60 = 5
$\frac{4}{10}$ of 60 = 24	$\frac{5}{15}$ of 60 = 20	$\frac{12}{20}$ of 60 = 36	$\frac{14}{30}$ of 60 = 28	$\frac{6}{60}$ of 60 = 6
$\frac{5}{10}$ of 60 = 30	$\frac{6}{15}$ of 60 = 24	$\frac{13}{20}$ of 60 = 39	$\frac{15}{30}$ of 60 = 30	$\frac{7}{60}$ of 60 = 7
$\frac{6}{10}$ of 60 = 36	$\frac{7}{15}$ of 60 = 28	$\frac{14}{20}$ of 60 = 42	$\frac{16}{30}$ of 60 = 32	$\frac{8}{60}$ of 60 = 8



$\frac{9}{60}$ of 60 = 9	$\frac{20}{60}$ of 60 = 20	$\frac{31}{60}$ of 60 = 31	$\frac{42}{60}$ of 60 = 42	$\frac{53}{60}$ of 60 = 53
$\frac{10}{60}$ of 60 = 10	$\frac{21}{60}$ of 60 = 21	$\frac{32}{60}$ of 60 = 32	$\frac{43}{60}$ of 60 = 43	$\frac{54}{60}$ of 60 = 54
$\frac{11}{60}$ of 60 = 11	$\frac{22}{60}$ of 60 = 22	$\frac{33}{60}$ of 60 = 33	$\frac{44}{60}$ of 60 = 44	$\frac{55}{60}$ of 60 = 55
$\frac{12}{60}$ of 60 = 12	$\frac{23}{60}$ of 60 = 23	$\frac{34}{60}$ of 60 = 34	$\frac{45}{60}$ of 60 = 45	$\frac{56}{60}$ of 60 = 56
$\frac{13}{60}$ of 60 = 13	$\frac{24}{60}$ of 60 = 24	$\frac{35}{60}$ of 60 = 35	$\frac{46}{60}$ of 60 = 46	$\frac{57}{60}$ of 60 = 57
$\frac{14}{60}$ of 60 = 14	$\frac{25}{60}$ of 60 = 25	$\frac{36}{60}$ of 60 = 36	$\frac{47}{60}$ of 60 = 47	$\frac{58}{60}$ of 60 = 58
$\frac{15}{60}$ of 60 = 15	$\frac{26}{60}$ of 60 = 26	$\frac{37}{60}$ of 60 = 37	$\frac{48}{60}$ of 60 = 48	$\frac{59}{60}$ of 60 = 59
$\frac{16}{60}$ of 60 = 16	$\frac{27}{60}$ of 60 = 27	$\frac{38}{60}$ of 60 = 38	$\frac{49}{60}$ of 60 = 49	
$\frac{17}{60}$ of 60 = 17	$\frac{28}{60}$ of 60 = 28	$\frac{39}{60}$ of 60 = 39	$\frac{50}{60}$ of 60 = 50	
$\frac{18}{60}$ of 60 = 18	$\frac{29}{60}$ of 60 = 29	$\frac{40}{60}$ of 60 = 40	$\frac{51}{60}$ of 60 = 51	
$\frac{19}{60}$ of 60 = 19	$\frac{30}{60}$ of 60 = 30	$\frac{41}{60}$ of 60 = 41	$\frac{52}{60}$ of 60 = 52	

Multiple other fractions of 60 can be found by finding equivalent fractions of the fractions used above. Examples of these include:

$\frac{2}{8}$ of 60 = 15	$\frac{12}{16}$ of 60 = 45	$\frac{11}{22}$ of 60 = 30	$\frac{16}{24}$ of 60 = 40	$\frac{13}{26}$ of 60 = 30
$\frac{4}{8}$ of 60 = 30	$\frac{3}{18}$ of 60 = 10	$\frac{2}{24}$ of 60 = 5	$\frac{18}{24}$ of 60 = 45	$\frac{9}{27}$ of 60 = 20
$\frac{6}{8}$ of 60 = 45	$\frac{6}{18}$ of 60 = 20	$\frac{4}{24}$ of 60 = 10	$\frac{20}{24}$ of 60 = 50	$\frac{18}{27}$ of 60 = 40
$\frac{3}{9}$ of 60 = 20	$\frac{9}{18}$ of 60 = 30	$\frac{6}{24}$ of 60 = 15	$\frac{22}{24}$ of 60 = 55	$\frac{7}{28}$ of 60 = 15
$\frac{6}{9}$ of 60 = 40	$\frac{12}{18}$ of 60 = 40	$\frac{8}{24}$ of 60 = 20	$\frac{5}{25}$ of 60 = 12	$\frac{14}{28}$ of 60 = 30
$\frac{7}{14}$ of 60 = 30	$\frac{15}{18}$ of 60 = 50	$\frac{10}{24}$ of 60 = 25	$\frac{10}{25}$ of 60 = 24	$\frac{21}{28}$ of 60 = 45
$\frac{4}{16}$ of 60 = 15	$\frac{7}{21}$ of 60 = 20	$\frac{12}{24}$ of 60 = 30	$\frac{15}{25}$ of 60 = 36	
$\frac{8}{16}$ of 60 = 30	$\frac{14}{21}$ of 60 = 40	$\frac{14}{24}$ of 60 = 35	$\frac{20}{25}$ of 60 = 48	

Whole number fractions could also be given, for example:  $\frac{2}{2}$  of 60 = 60.