



## FRACTIONS OF NUMBERS SHEET 3

Use division and multiplication to help you find these fractions.

1)  $\frac{1}{3}$  of 24 =  $24 \div 3 =$  \_\_\_\_\_

2)  $\frac{2}{3}$  of 24 =  $(24 \div 3) \times 2 =$  \_\_\_\_\_

3)  $\frac{1}{6}$  of 18 =  $18 \div 6 =$  \_\_\_\_\_

4)  $\frac{2}{6}$  of 18 =  $(18 \div 6) \times 2 =$  \_\_\_\_\_

5)  $\frac{1}{5}$  of 40 =  $40 \div 5 =$  \_\_\_\_\_

6)  $\frac{3}{5}$  of 40 =  $(40 \div 5) \times 3 =$  \_\_\_\_\_

7)  $\frac{1}{10}$  of 50 =  $50 \div 10 =$  \_\_\_\_\_

8)  $\frac{7}{10}$  of 50 =  $(50 \div 10) \times 7 =$  \_\_\_\_\_

9)  $\frac{1}{8}$  of 40 =  $40 \div$  \_\_\_\_\_ = \_\_\_\_\_

10)  $\frac{3}{8}$  of 40 =  $(40 \div 8) \times 3 =$  \_\_\_\_\_

11)  $\frac{1}{4}$  of 32 = \_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_

12)  $\frac{3}{4}$  of 32 =  $(32 \div 4) \times$  \_\_\_\_\_ = \_\_\_\_\_

13)  $\frac{1}{9}$  of 36 = \_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_

14)  $\frac{5}{9}$  of 36 =  $(36 \div 9) \times$  \_\_\_\_\_ = \_\_\_\_\_

15)  $\frac{1}{8}$  of 56 = \_\_\_\_\_  $\div$  \_\_\_\_\_ = \_\_\_\_\_

16)  $\frac{7}{8}$  of 56 =  $(56 \div 8) \times$  \_\_\_\_\_ = \_\_\_\_\_

17)  $\frac{3}{4}$  of 24 =  $(24 \div 4) \times 3 =$  \_\_\_\_\_

18)  $\frac{3}{5}$  of 15 =  $(15 \div 5) \times$  \_\_\_\_\_ = \_\_\_\_\_

19)  $\frac{2}{7}$  of 28 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

20)  $\frac{3}{8}$  of 32 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

21)  $\frac{5}{6}$  of 30 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

22)  $\frac{4}{5}$  of 50 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

23)  $\frac{6}{7}$  of 35 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

24)  $\frac{7}{9}$  of 18 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

### CALCULATOR CHALLENGES

Use a calculator to help you find these fractions of numbers.

1)  $\frac{3}{5}$  of 135 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

2)  $\frac{3}{4}$  of 216 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

3)  $\frac{2}{7}$  of 294 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_

4)  $\frac{5}{8}$  of 352 =  $($  \_\_\_\_\_  $\div$  \_\_\_\_\_  $) \times$  \_\_\_\_\_ = \_\_\_\_\_



Name

Date



## FRACTIONS OF NUMBERS SHEET 3 ANSWERS

1)  $\frac{1}{3}$  of 24 =  $24 \div 3 = 8$

2)  $\frac{2}{3}$  of 24 =  $(24 \div 3) \times 2 = 16$

3)  $\frac{1}{6}$  of 18 =  $18 \div 6 = 3$

4)  $\frac{2}{6}$  of 18 =  $(18 \div 6) \times 2 = 6$

5)  $\frac{1}{5}$  of 40 =  $40 \div 5 = 8$

6)  $\frac{3}{5}$  of 40 =  $(40 \div 5) \times 3 = 24$

7)  $\frac{1}{10}$  of 50 =  $50 \div 10 = 5$

8)  $\frac{7}{10}$  of 50 =  $(50 \div 10) \times 7 = 35$

9)  $\frac{1}{8}$  of 40 =  $40 \div 8 = 5$

10)  $\frac{3}{8}$  of 40 =  $(40 \div 8) \times 3 = 15$

11)  $\frac{1}{4}$  of 32 =  $32 \div 4 = 8$

12)  $\frac{3}{4}$  of 32 =  $(32 \div 4) \times 3 = 24$

13)  $\frac{1}{9}$  of 36 =  $36 \div 9 = 4$

14)  $\frac{5}{9}$  of 36 =  $(36 \div 9) \times 5 = 20$

15)  $\frac{1}{8}$  of 56 =  $56 \div 8 = 7$

16)  $\frac{7}{8}$  of 56 =  $(56 \div 8) \times 7 = 49$

17)  $\frac{3}{4}$  of 24 =  $(24 \div 4) \times 3 = 18$

18)  $\frac{3}{5}$  of 15 =  $(15 \div 5) \times 3 = 9$

19)  $\frac{2}{7}$  of 28 =  $(28 \div 7) \times 2 = 8$

20)  $\frac{3}{8}$  of 32 =  $(32 \div 8) \times 3 = 12$

21)  $\frac{5}{6}$  of 30 =  $(30 \div 6) \times 5 = 25$

22)  $\frac{4}{5}$  of 50 =  $(50 \div 5) \times 4 = 40$

23)  $\frac{6}{7}$  of 35 =  $(35 \div 7) \times 6 = 30$

24)  $\frac{7}{9}$  of 18 =  $(18 \div 9) \times 7 = 14$

### CALCULATOR CHALLENGES

1)  $\frac{3}{5}$  of 135 =  $(135 \div 5) \times 3 = 81$

2)  $\frac{3}{4}$  of 216 =  $(216 \div 4) \times 3 = 162$

3)  $\frac{2}{7}$  of 294 =  $(294 \div 7) \times 2 = 84$

4)  $\frac{5}{8}$  of 352 =  $(352 \div 8) \times 5 = 220$

