TARGET To find fractions of numbers and quantities.

Examples

$\frac{1}{3}$ of 15 = 15 ÷ 3

         = 5
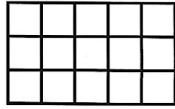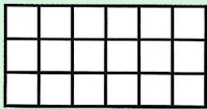
$\frac{2}{3}$ of 15 = (15 ÷ 3) × 2

          = 5 × 2

          = 10

$\frac{7}{10}$ of 60 = (60 ÷ 10) × 7
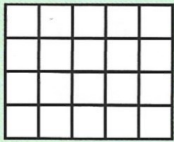
          = 6 × 7

          = 42

A

Use the array to help you find the answer.

1. $\frac{1}{3}$ of 18

2. $\frac{1}{6}$ of 18

3. $\frac{1}{4}$ of 20

4. $\frac{1}{5}$ of 20

Find $\frac{1}{10}$ of:

5. 40

6. 100

7. 60

8. 90.

Find $\frac{1}{5}$ of:

9. 15

10. 40

11. 30

12. 55.

Find $\frac{1}{3}$ of:

13. 12

14. 24

15. 15

16. 36.

Find $\frac{1}{4}$ of:

17. 24

18. 16

19. 40

20. 28.

B

Find

1. $\frac{1}{3}$ of 24

2. $\frac{2}{3}$ of 24

3. $\frac{1}{4}$ of 12

4. $\frac{3}{4}$ of 12

5. $\frac{1}{5}$ of 25

6. $\frac{4}{5}$ of 25

7. $\frac{1}{10}$ of 30

8. $\frac{9}{10}$ of 30

9. $\frac{5}{8}$ of 16

10. $\frac{2}{3}$ of 30

11. $\frac{5}{6}$ of 24

12. $\frac{3}{4}$ of 36

13. $\frac{4}{7}$ of 35

14. $\frac{3}{10}$ of 70

15. $\frac{7}{12}$ of 36

16. $\frac{2}{5}$ of 45

17. There are 12 eggs in a box. Five sixths are used. How many eggs have been used?

18. An orchard has 48 trees. Three eighths are in bud. How many trees are in bud?

19. A hospital has 400 beds. Ninety-nine hundredths are occupied. How many beds are occupied?

20. There are 27 children in a class. Eight ninths are at school. How many children are at school?

C

Find

1. $\frac{5}{6}$ of 54

2. $\frac{7}{8}$ of 56

3. $\frac{3}{7}$ of 42

4. $\frac{4}{9}$ of 72

5. $\frac{7}{10}$ of 1 metre

6. $\frac{3}{5}$ of £2·00

7. $\frac{99}{100}$ of 1 kg

8. $\frac{5}{11}$ of £13·20

9. There are 80 questions in a test. Curtis answers three fifths of the questions correctly. How many does he get wrong?

10. A football match lasts for 90 minutes. The first goal is scored after five sixths of the playing time. How much time is left?

11. There are 420 g of potatoes. Two sevenths of the potatoes is removed when they are peeled. What is the weight of the peeled potatoes?

12. A coach is travelling 225 km. It stops at a service station after five ninths of the journey is completed. How much further is there to go?