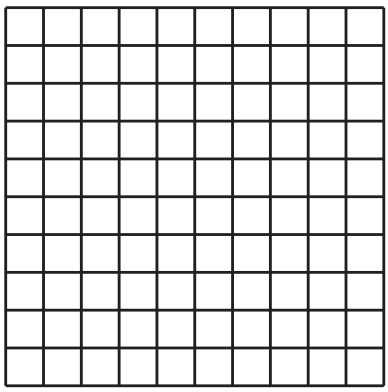
Division and fractions

To find one fifth of a number, divide by 5.
To find one tenth of a number, divide by 10.

(Multiplication and Division)

1



Divide a 100 square into:

a 2 groups, $100 \div 2 =$ ☐ or $\frac{1}{2}$ of 100 = ☐

b 4 groups, $100 \div 4 =$ ☐ or $\frac{1}{4}$ of 100 = ☐

c 5 groups, $100 \div 5 =$ ☐ or $\frac{1}{5}$ of 100 = ☐

d 10 groups, $100 \div 10 =$ ☐ or $\frac{1}{10}$ of 100 = ☐

e 100 groups, $100 \div 100 =$ ☐ or $\frac{1}{100}$ of 100 = ☐

2

a ☐) 100 (4

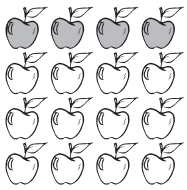
b ☐) 100 (5

c ☐) 100 (10

d ☐) 100 (2

3 Write a division and a fraction number sentence for the shaded part of each collection.

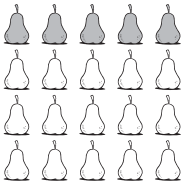
a



$\frac{1}{4}$ of 16 = ☐

16 ÷ 4 = ☐

b



$\frac{1}{4}$ of ☐ = ☐

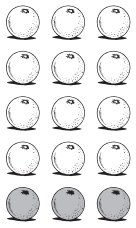
☐ ÷ 4 = ☐

c

$\frac{1}{2}$ of ☐ = ☐

☐ ÷ 2 = ☐

d



$\frac{1}{5}$ of ☐ = ☐

☐ ÷ 5 = ☐

4 Circle the fraction and complete the number sentences.

a

$\frac{1}{8}$ of ☐ = ☐

☐ ÷ 8 = ☐

b

$\frac{1}{5}$ of ☐ = ☐

☐ ÷ 5 = ☐

c

$\frac{1}{10}$ of ☐ = ☐

☐ ÷ 10 = ☐

d

$\frac{1}{8}$ of ☐ = ☐

☐ ÷ 8 = ☐

5 Use the arrays above to find:

a $\frac{3}{4}$ of 16 ☐ **b** $\frac{1}{2}$ of 20 ☐ **c** $\frac{3}{4}$ of 12 ☐ **d** $\frac{2}{5}$ of 15 ☐

e $\frac{3}{5}$ of 20 ☐ **f** $\frac{3}{8}$ of 24 ☐ **g** $\frac{7}{8}$ of 24 ☐ **h** $\frac{3}{10}$ of 30 ☐

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