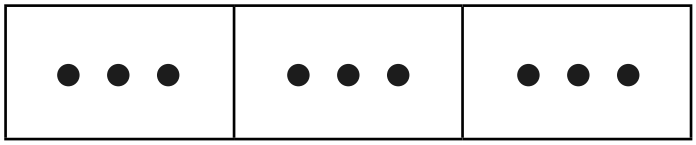
Fractions of a Set of Objects

Use the sharing grids to work out the fractions below.

E.g. $\frac{1}{3}$ of 9 = 3



1. $\frac{1}{2}$ of 12 =

2. $\frac{1}{4}$ of 16 =

3. $\frac{1}{5}$ of 20 =

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

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

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

7. $\frac{1}{10}$ of 20 =

8. $\frac{1}{3}$ of 21 =

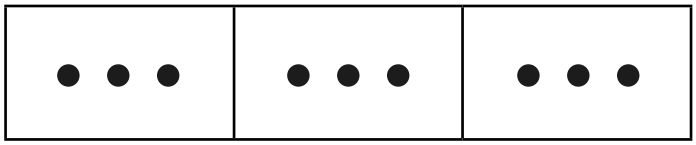
9. $\frac{1}{5}$ of 25 =

10. $\frac{1}{6}$ of 24 =

Fractions of a Set of Objects

Use equal sharing to solve the fraction problems below. Draw pictures to show how you worked them out.

E.g. $\frac{1}{3}$ of 9 = 3



1. $\frac{1}{2}$ of 12 =

2. $\frac{1}{4}$ of 16 =

3. $\frac{1}{5}$ of 20 =

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

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

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

7. $\frac{1}{10}$ of 20 =

8. $\frac{1}{3}$ of 21 =

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

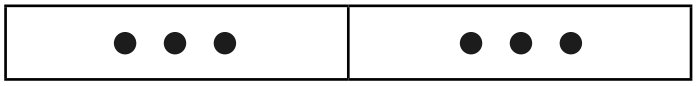
10. $\frac{1}{6}$ of 24 =

Fractions of a Set of Objects

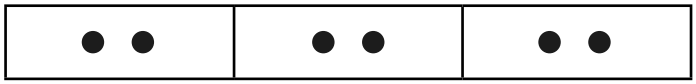
How many unit fractions can you find for each of the amounts? Draw pictures to show how you worked them out. The first one has been done for you.

E.g. **1.** 6

$\frac{1}{2}$ of 6 = 3



$\frac{1}{3}$ of 6 = 2



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

2. 24

3. 20

4. 21

Why do some numbers have more fractions than others?

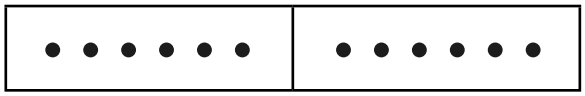
_____

_____

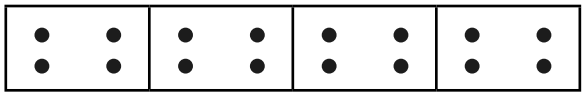
_____

Fractions of a Set of Objects Answers

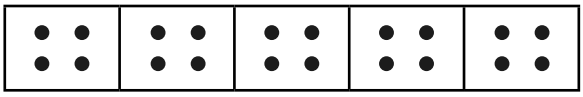
1. $\frac{1}{2}$ of 12 = **6**



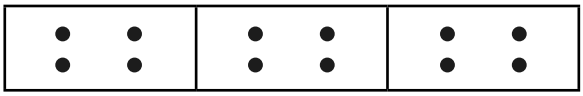
2. $\frac{1}{4}$ of 16 = **4**



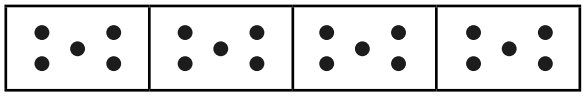
3. $\frac{1}{5}$ of 20 = **4**



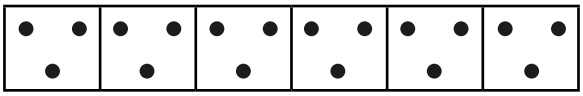
4. $\frac{1}{3}$ of 12 = **4**



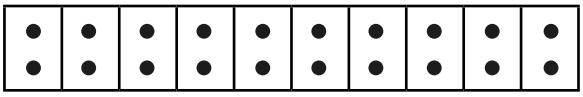
5. $\frac{1}{4}$ of 20 = **5**



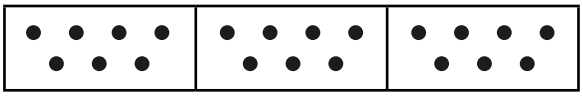
6. $\frac{1}{6}$ of 18 = **3**



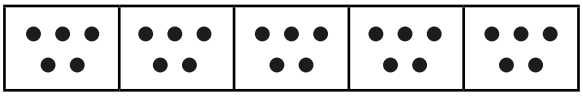
7. $\frac{1}{10}$ of 20 = **2**



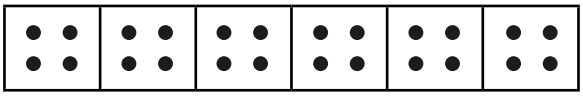
8. $\frac{1}{3}$ of 21 = **7**



9. $\frac{1}{5}$ of 25 = **5**

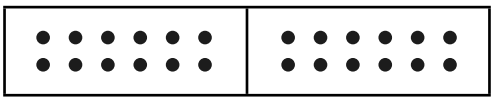


10. $\frac{1}{6}$ of 24 = **4**

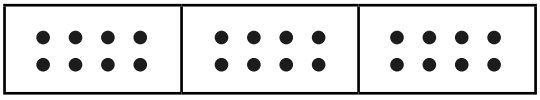


Fractions of a Set of Objects Answers

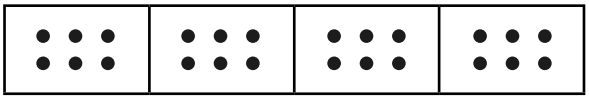
1. $\frac{1}{2}$ of 24 = 12



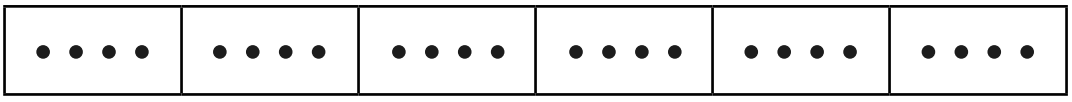
$\frac{1}{3}$ of 24 = 8



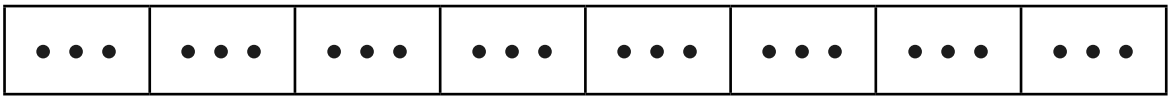
$\frac{1}{4}$ of 24 = 6



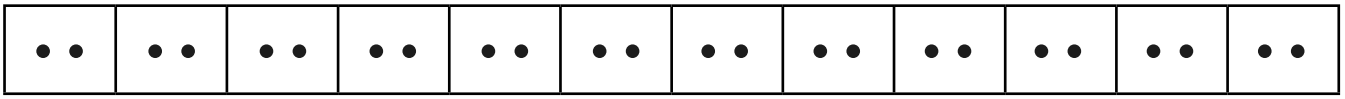
$\frac{1}{6}$ of 24 = 4



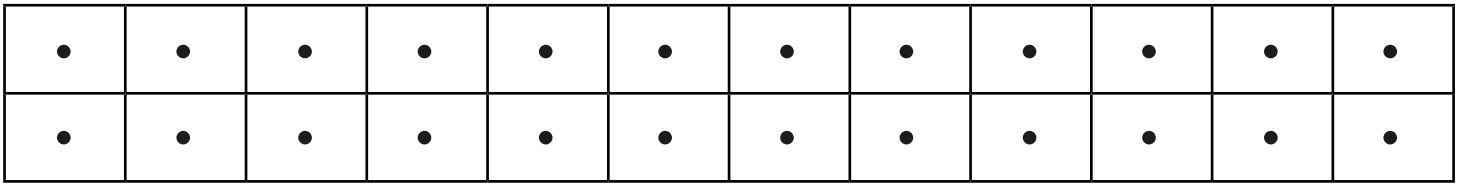
$\frac{1}{8}$ of 24 = 3



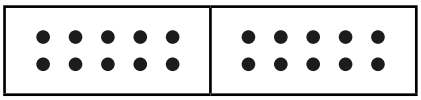
$\frac{1}{12}$ of 24 = 2



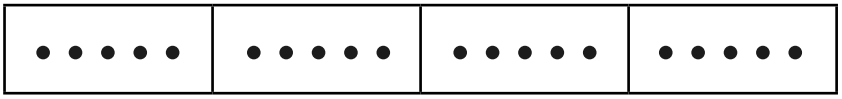
$\frac{1}{24}$ of 24 = 1



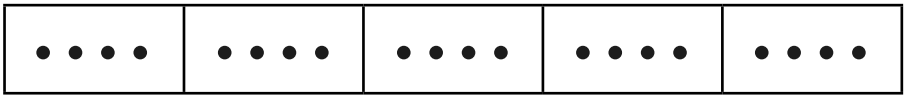
2. $\frac{1}{2}$ of 20 = 10



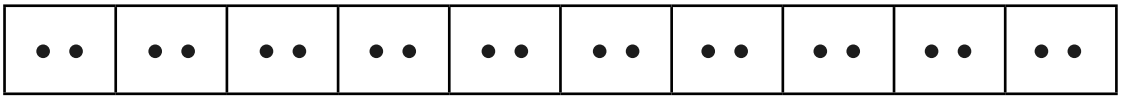
$\frac{1}{4}$ of 20 = 5



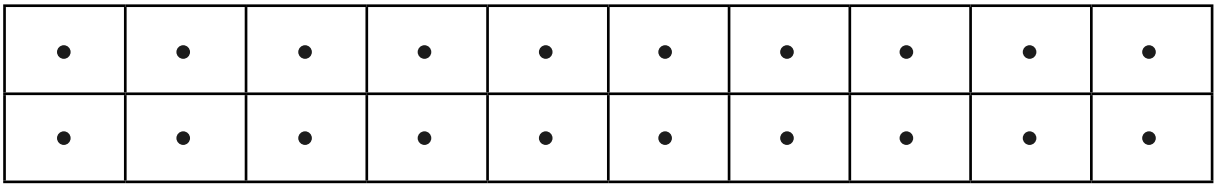
$\frac{1}{5}$ of 20 = 4



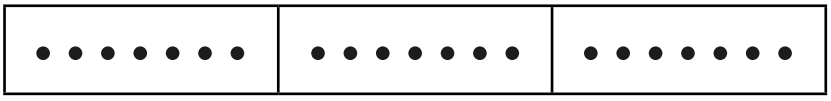
$\frac{1}{10}$ of 20 = 2



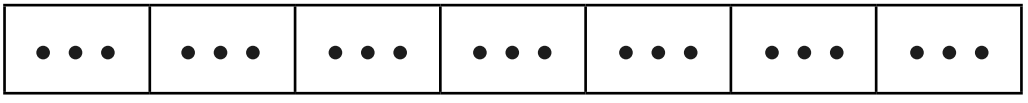
$\frac{1}{20}$ of 20 = 1



3. $\frac{1}{3}$ of 21 = 7



$\frac{1}{7}$ of 21 = 3



$\frac{1}{21}$ of 21 = 1