

AC
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Fraction Strategies

Fractional Blocks

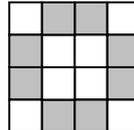
I am learning to use patterns to find fractions of shapes and sets

Example:

To shade $\frac{1}{2}$ of this block, you can shade ANY eight squares.

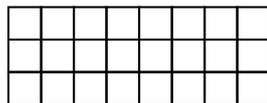
Why? Because $\frac{1}{2}$ of 16 = 8.

It does not matter which 8 squares you shade.

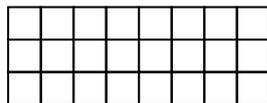


Exercise 1

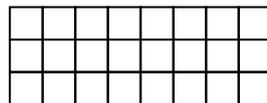
➤ Shade the given fraction in an interesting way on these grids:



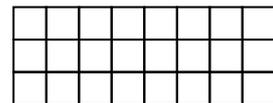
1) $\frac{1}{3}$ of 24



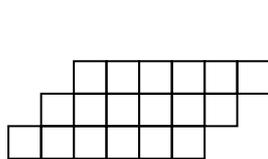
(2) $\frac{1}{4}$ of 24



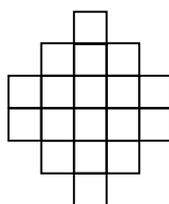
(3) $\frac{1}{6}$ of 24



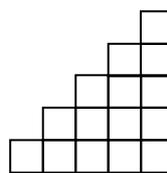
(4) $\frac{1}{8}$ of 24



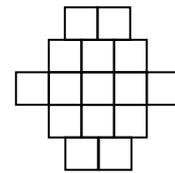
5) $\frac{1}{3}$ of 18



(6) $\frac{1}{3}$ of 18

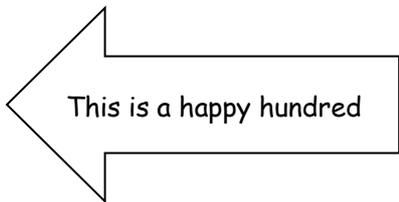
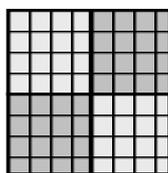


(7) $\frac{1}{3}$ of 15



(8) $\frac{1}{3}$ of 15

What do you notice about grids 5 and 6? Do they have something in common?



Use a Happy Hundred to complete the following questions:

- 1) $\frac{1}{2}$ of 100 =
- 2) $\frac{1}{4}$ of 100 =
- 3) $\frac{1}{5}$ of 100 =
- 4) $\frac{1}{10}$ of 100 =

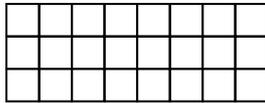
- (5) $\frac{1}{20}$ of 100 =
- (6) $\frac{1}{50}$ of 100 =
- (7) $\frac{1}{100}$ of 100 =
- (8) $\frac{1}{100}$ of 100 =

- (9) $\frac{3}{10}$ of 100 =
- (10) $\frac{1}{2}$ of 100 =
- (11) $\frac{1}{4}$ of 100 =
- (12) $\frac{1}{5}$ of 100 =

Fractional Blocks: Answers

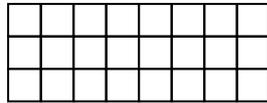
Exercise:

➤ Shade the given fraction in an interesting way on these grids:



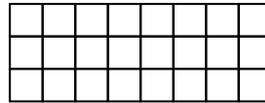
1) of 24

8 squares shaded



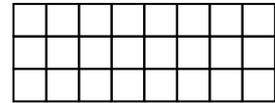
(2) of 24

6 squares shaded



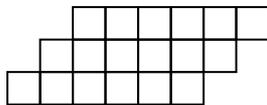
(3) of 24

4 squares shaded



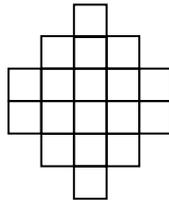
(4) of 24

9 squares shaded



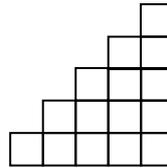
12 squares shaded

5) of 18



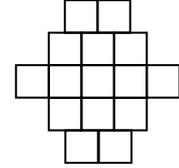
12 squares shaded

(6) of 18



9 squares shaded

(7) of 15

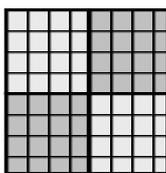


12 squares shaded

(8) of 15

What do you notice about grids 5 and 6? Do they have something in common?

Both have the same number of squares shaded



This is a happy hundred

Use a Happy Hundred to complete the following questions:

1) of 100 =

50

(5) of 100 =

5

(9) of 100 =

30

2) of 100 =

25

(6) of 100 =

4

(10) of 100 =

70

3) of 100 =

20

(7) of 100 =

40

(11) of 100 =

28

4) of 100 =

10

(8) of 100 =

60

(12) of 100 =

6