

Place value within 1

1 Complete the sentences to describe the numbers.

a)

| O | Tth | Hth | Thth |
|---|------|--------|------|
| • | ●●●● | ●●●●●● | ●●● |

There are ones, tenths, hundredths and thousandths.

The number is

b)

| O | Tth | Hth | Thth |
|---|-----|--------|------|
| • | | ●●●●●● | ●●● |

There are ones, tenths, hundredths and thousandths.

The number is

c)

| O | Tth | Hth | Thth |
|---|--------|-----|------|
| • | ●●●●●● | | ●●● |

There are ones, tenths, hundredths and thousandths.

The number is

2 Use counters to make each number on a place value chart. Draw your answers and complete the sentences.

a) 0.254

| O | Tth | Hth | Thth |
|---|-----|-----|------|
| • | | | |

There are ones, tenths, hundredths and thousandths.

b) 0.701

| O | Tth | Hth | Thth |
|---|-----|-----|------|
| • | | | |

There are ones, tenths, hundredths and thousandth.

c) 0.063

| O | Tth | Hth | Thth |
|---|-----|-----|------|
| • | | | |

There are ones, tenths, hundredths and thousandths.

d) 0.81

| O | Tth | Hth | Thth |
|---|-----|-----|------|
| • | | | |

There are ones, tenths, hundredth and thousandths.



3 Ron is using place value counters to partition 0.325



0.325 can be partitioned into 3 tenths, 2 hundredths and 5 thousandths.

$$0.325 = 0.3 + 0.02 + 0.005$$

Use Ron's method to partition the numbers.

a) $0.562 = \square + \square + \square$

b) $0.947 = \square + \square + \square$

c) $\square + \square + \square = 0.185$

d) $0.604 = \square + \square$

e) $0.039 = \square + \square$

f) $0.28 = \square + \square$



4 Complete the number sentences.

a) $0.5 + 0.07 + 0.003 = \square$

b) $0.8 + \square + 0.001 = 0.861$

c) $\square = 0.2 + 0.09 + 0.007$

d) $0.4 + 0.001 = \square$

e) $0.07 + 0.002 + 0.8 = \square$



5 Whitney is using place value counters to flexibly partition 0.325



$$0.325 = 0.2 + 0.12 + 0.005$$

Use Whitney's method to flexibly partition each decimal.

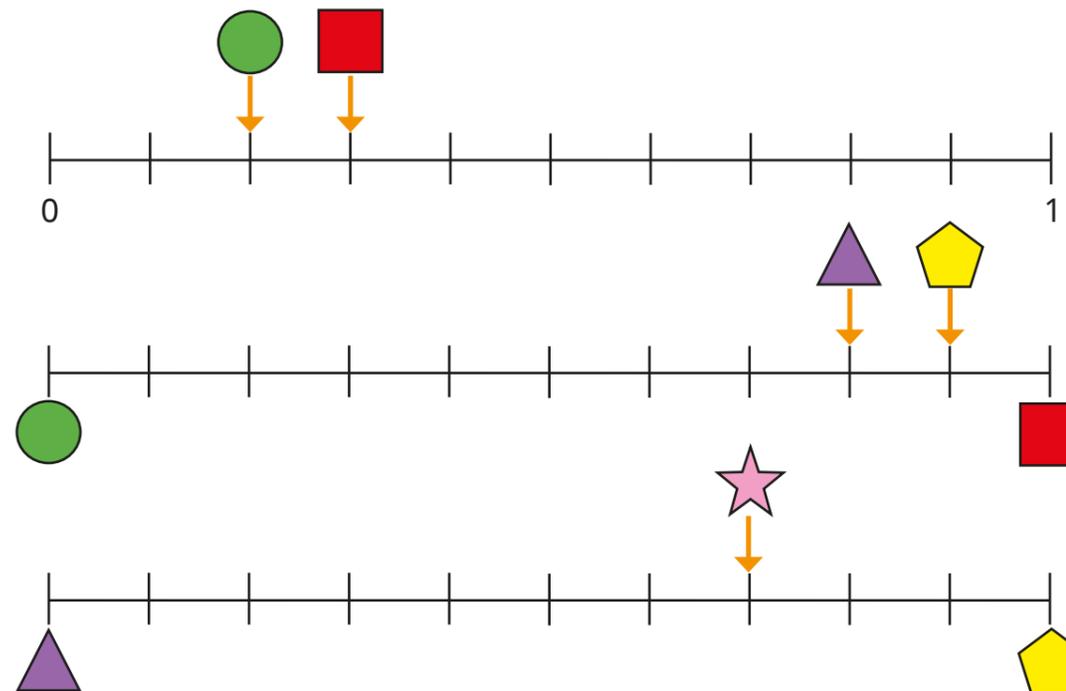
a) $0.562 = \square + \square + \square$

b) $0.947 = \square + \square + \square$

c) $\square + \square + \square = 0.185$

Compare answers with a partner.

6 The value of each shape is the same on each number line.



Partition the number represented by the star.

$$\square = \square + \square + \square$$

Compare answers with a partner.

