# RECALL

Look at this number.

23,451.96

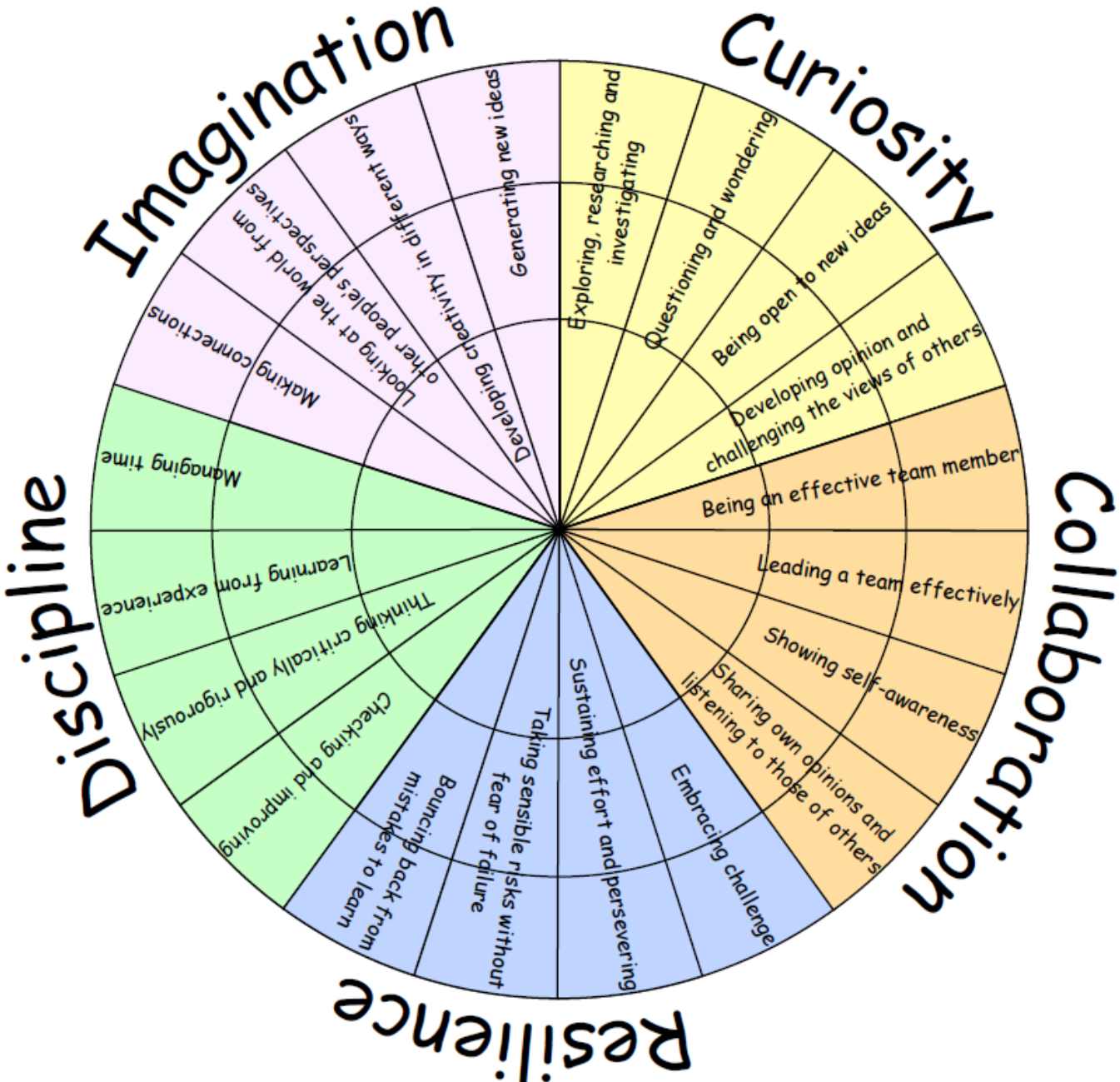
Write the **digit** that is in the hundreds place.

Write the **digit** that is in the hundredths place.

# I CAN DIVIDE DECIMALS BY 10, 100 AND 1000

Decimals (14v)

# LEARNING HABITS?



# GUIDED PRACTICE

1) Mr Diamond ran an equal distance each day.

In 10 days he ran 52km.

How far does he run each day?

2) Mr Hall also runs an equal distance each day.

In 30 days he runs 420km.

How far does he run each day?

Meanwhile, Mr G and Mr Newton ate the same amount of samosas each day.

Between them they ate 15.2 kg in 20 days.

How much did they eat each day in grams?

# INTELLIGENT PRACTICE

1) 3400 ÷ 10 =

2) 3400 ÷ 100 =

3) 3400 ÷ 1000 =

4) 34 ÷ 1000 =

What do you notice?

1) 314 ÷ 10 ÷ 10 ÷ 10 =

2) 314 ÷ 100 ÷ 10 =

3) 314 ÷ 1000 =

What do you notice?

1) 3200 ÷ 100 =

2) 3200 ÷ 200 =

3) 3200 ÷ 400 =

1) 3200 ÷ 800 =

What do you notice?

# INTELLIGENT PRACTICE ANSWERS

1) 3400 ÷ 10 = 340

2) 3400 ÷ 100 = 34

3) 3400 ÷ 1000 = 3.4

4) 34 ÷ 1000 = 0.034

What do you notice?

1) 314 ÷ 10 ÷ 10 ÷ 10 = 0.314

2) 314 ÷ 100 ÷ 10 = 0.314

3) 314 ÷ 1000 = 0.314

What do you notice?

1) 3200 ÷ 100 = 32

2) 3200 ÷ 200 = 16

3) 3200 ÷ 400 = 8

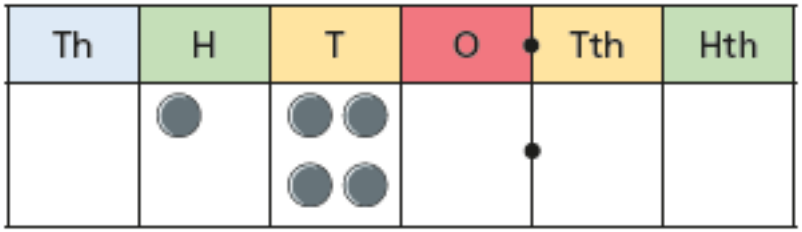
4) 3200 ÷ 800 = 4

What do you notice?

# DIVE DEEPER 1

1) Complete the calculations and sentences.

Use the place value counters to help you.




a) 140 ÷ 10 =

When the number is divided by 10 the counters move ___ place to the right.

b) 140 ÷ 100 =

When the number is divided by 100 the counters move ___ places to the right.

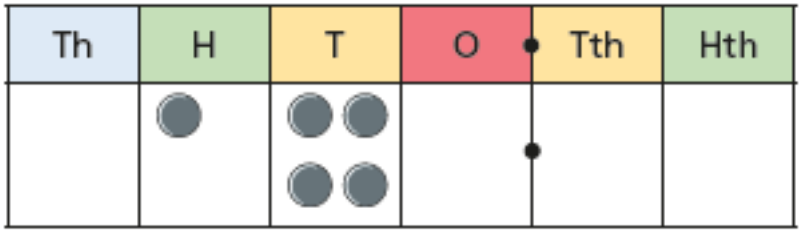
c) 140 ÷ 1000 =

When the number is divided by 1000 the counters move ___ places to the right.

# DIVE DEEPER 1 ANSWERS

1) Complete the calculations and sentences.

Use the place value counters to help you.




a) 140 ÷ 10 = 14

When the number is divided by 10 the counters move 1 place to the right.

b) 140 ÷ 100 = 1.4

When the number is divided by 100 the counters move 2 places to the right.

c) 140 ÷ 1000 = 0.14

When the number is divided by 1000 the counters move 3 places to the right.

# DIVE DEEPER 2

2) Complete the calculations.

a) 16 ÷ 10 =

b) 43.4 ÷ 100 =

c) 614 ÷ 1000 =

d) 332 ÷ _____ = 0.332

e) 2.4 ÷ 200 =

f) 5.09 = _____ ÷ 20

3) Write >, < or = to compare the sentences.

5400 ÷ 10 ÷ 10 ÷ 10 ___ 5400 ÷ 1000

60 ÷ 100 ÷ 10 ___ 600 ÷ 100

5.7 ÷ 10 ___ 5.7 ÷ 100

5601 ÷ 1000 ___ 6.601 ÷ 10

# DIVE DEEPER 2 ANSWERS

2) Complete the calculations.

a) 16 ÷ 10 = 1.6

b) 43.4 ÷ 100 = 0.434

c) 614 ÷ 1000 = 0.614

d) 332 ÷ 1000 = 0.332

e) 2.4 ÷ 200 = 0.012

f) 5.09 = 101.8 ÷ 20

3) Write >, < or = to compare the sentences.

5400 ÷ 10 ÷ 10 ÷ 10 = 5400 ÷ 1000

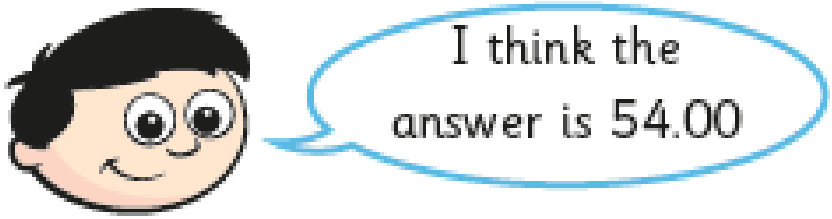
60 ÷ 100 ÷ 10 < 600 ÷ 100

5.7 ÷ 10 > 5.7 ÷ 100

5601 ÷ 1000 > 6.601 ÷ 10

# DIVE DEEPER 3

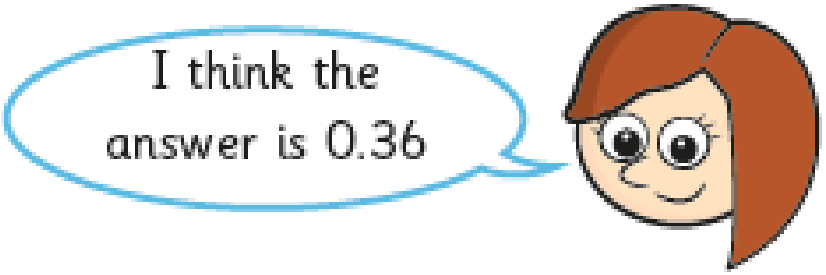
4) Dexter is solving the calculation 5400 ÷ 100




Is he correct?

Explain you reasoning.

5) Rosie is solving the calculation 3600 ÷ 200

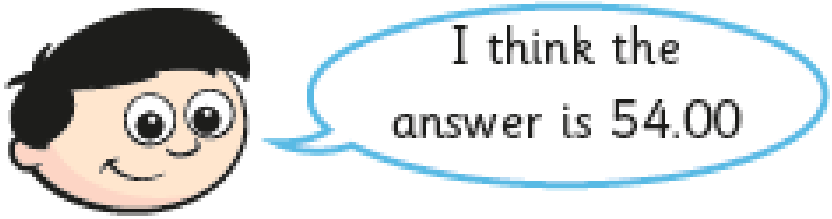



Is Rosie correct?

Explain your reasoning.

# DIVE DEEPER 3 ANSWERS

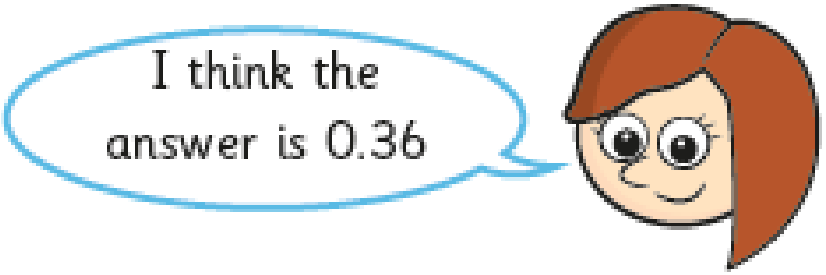
4) Dexter is solving the calculation 5400 ÷ 100




Is he correct? Yes

Explain you reasoning. 54.00 is the same as 54

5) Rosie is solving the calculation 3600 ÷ 200




Is Rosie correct? No

Explain your reasoning. She has divided by 100 twice (10000). She should have divided by 100 and then by 2 to give an answer of 18