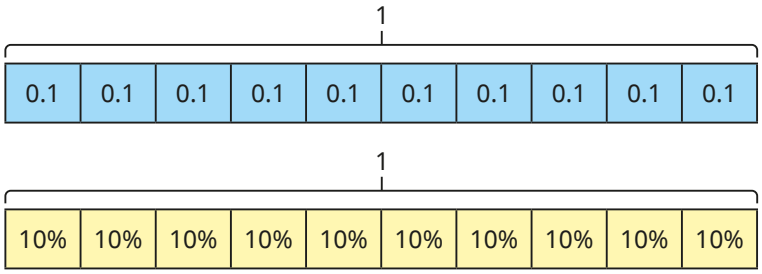
Percentages as decimals

1 Use the bar models to complete the statements.



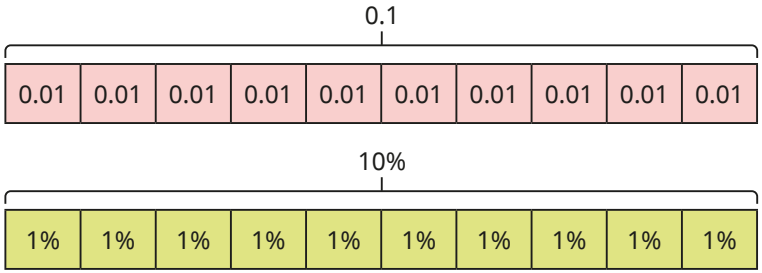
a) 0.1 = ☐ %

b) 0.4 = ☐ %

c) ☐ = 90%

d) ☐ = 100%

2 Use the bar models to complete the statements.



a) 0.01 = ☐ %

b) 0.03 = ☐ %

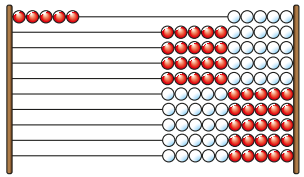
c) ☐ = 6%

d) ☐ = 8%

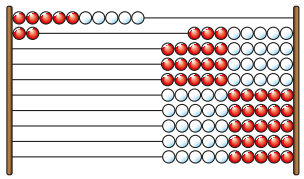
3 Each Rekenrek is 1 whole.

Write the decimal and percentage shown by each Rekenrek.

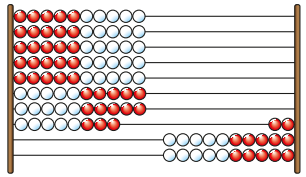
a)



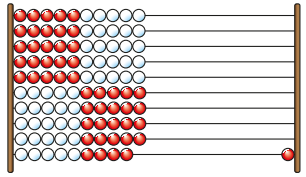
b)



c)



d)



4 Write < or > to complete the statements.

a) 0.24 ◯ 42%

b) 0.58 ◯ 51%

c) 0.2 ◯ 20%

d) 60% ◯ 0.06

e) 100% ◯ 0.1

f) 0.01 ◯ 10%

5 **a)** Write the values in ascending order.

13%	0.03	30%	0.33	0.31

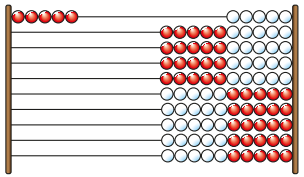
b) Write the values in descending order.

87%	0.78	0.8	77%	70%

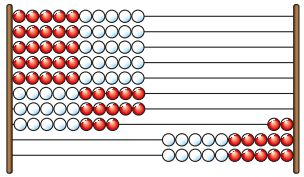
3 Each Rekenrek is 1 whole.

Write the decimal and percentage shown by each Rekenrek.

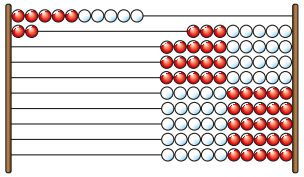
a)



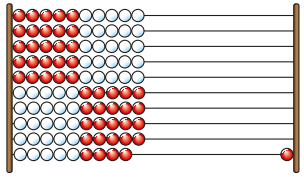
c)



b)



d)



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5 **a)** Write the values in ascending order.

13%	0.03	30%	0.33	0.31

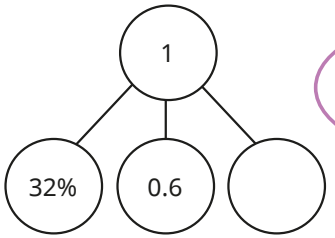
b) Write the values in descending order.

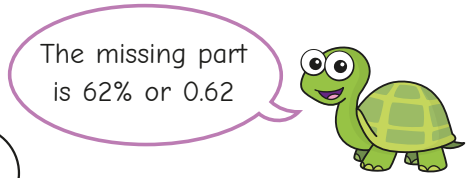
87%	0.78	0.8	77%	70%

6 Which of the values are **greater** than 50%?

0.5	0.6	0.61	0.49
0.05	0.35	0.55	0.9

7 Here is a part-whole model.

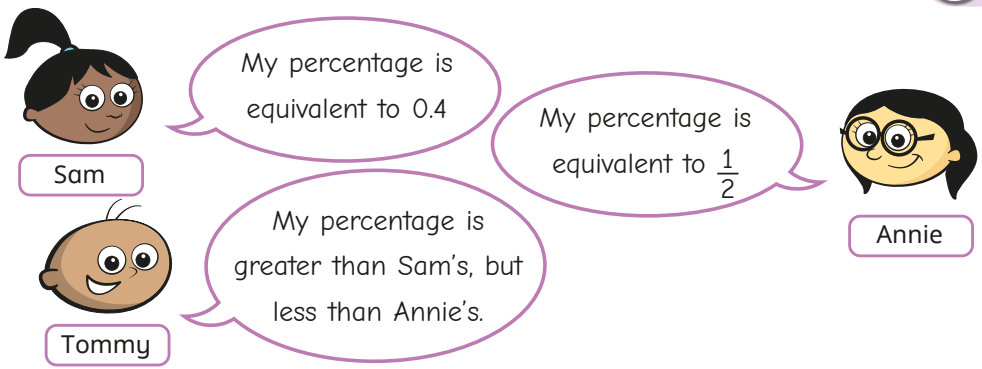




a) What mistake has Tiny made?

b) Complete the part-whole model.

8 Sam, Annie and Tommy are thinking of different percentages.



a) What percentage could Tommy be thinking of?

Tommy's percentage is a multiple of 7

b) What could Tommy's percentage be now?