

Theme 1 (representing number) revision

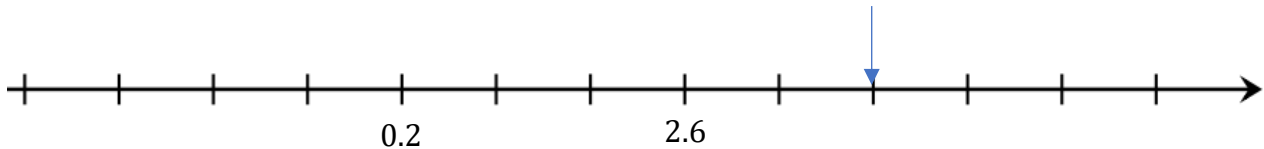
1) Write down the value of the following digits in 1, 200, 304, 567, 089

a) 2 b) 6 c) 4

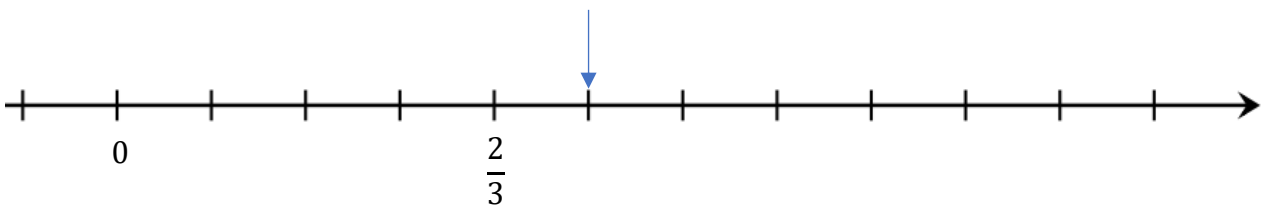
2) Write down the number that is the same as eighteen thousandths

3) Identify the numbers shown on the number lines below

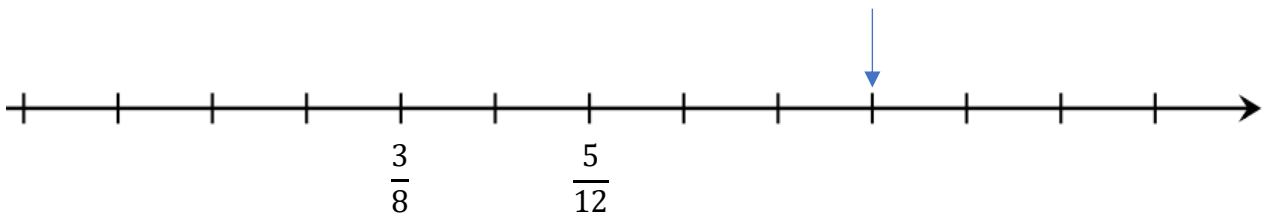
a)



b)



c)



4) Find the value of each “?” in the following statements

a) $0.23 \times ? = 230,000$ b) $\frac{5}{6} = \frac{?}{18}$ c) $0.15 = \frac{?}{60}$

d) $720 \times ? = 7.2$ e) $\frac{18}{45} = \frac{10}{?}$ f) $6\frac{1}{7} = \frac{?}{7}$

5) $\frac{1}{4}$ of a number is 16. Find the number

6) $\frac{5}{6}$ of a number is 40. Find $\frac{3}{4}$ of the number

7) 40% of a number is 8. Find 65% of the number

8) Write 18 as a fraction of 22

9) Write 20% as a fraction of 35%

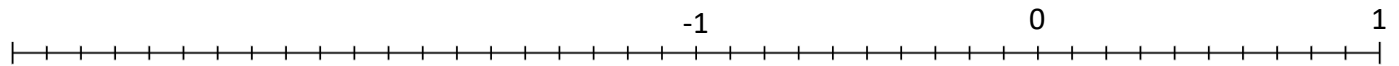
10) Write $2\frac{1}{3}$ as a fraction of 5

11) Write 18 as a percentage of 90

12) Write 0.3 as a percentage of 45

13) Place the following numbers on the number line below

-1.2 -3 -2.5 $-\frac{3}{4}$

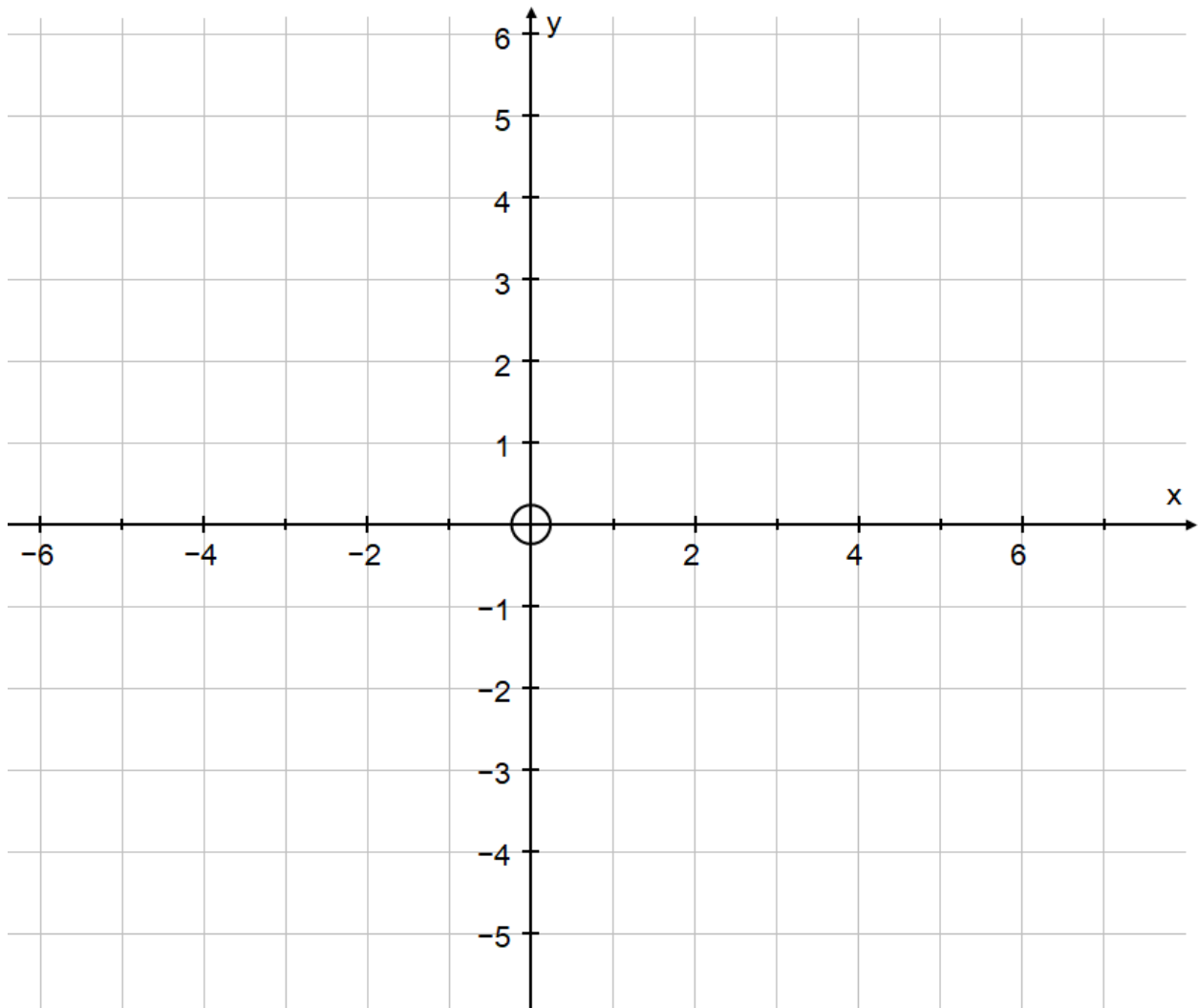


14) Place the following numbers in ascending order

-13 23 $\frac{2}{3}$ -2.3 -3.2 $-2\frac{1}{3}$

15) On the axes below show the following:

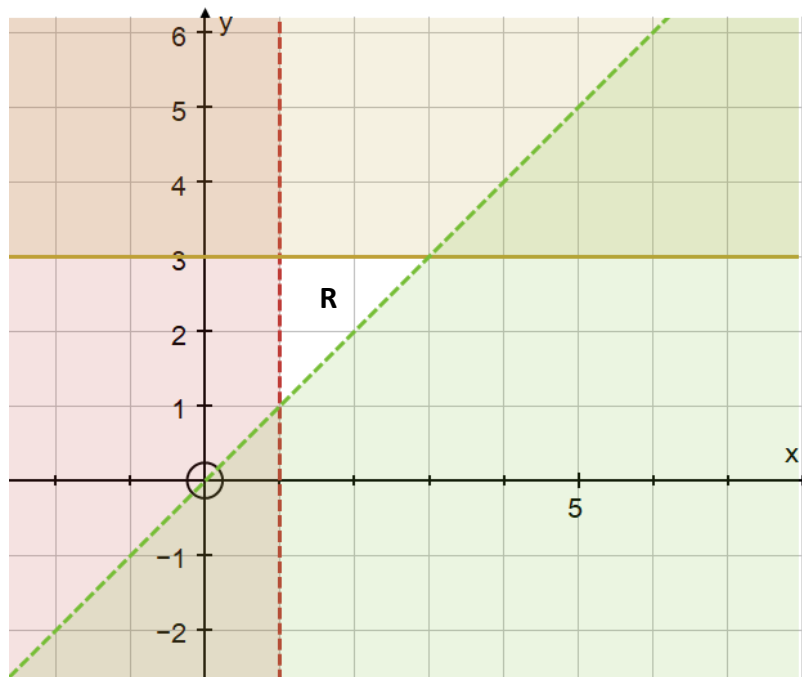
a) (4, -1) b) $y = 3$ c) $y = x$ d) $x \leq -2$



16) Write down all integer values that satisfy the following inequality

$$-2 \leq x < \frac{4}{3}$$

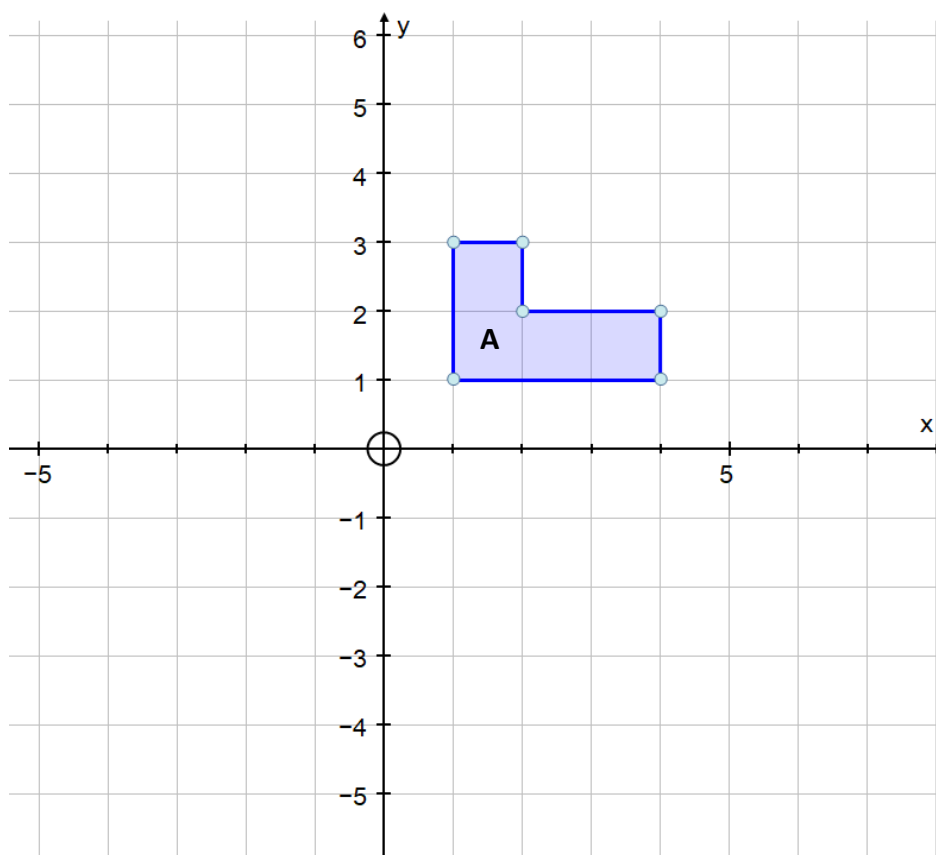
17) Write down three inequalities that describe the region labelled R



18) Are these points on line A ($x = 3$), line B ($y = 1$), both or neither?

- a) (3,0) b) (0,3) c) (3,1) d) (0,-1)

19) Shape A is given below



a) reflect A in the line $y = -1$ to make B

b) reflect B in the line $x = 2$ to make C

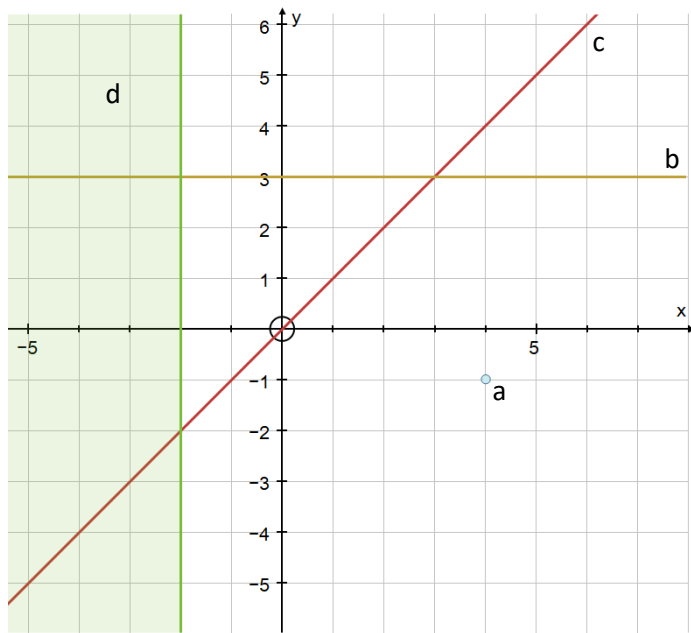
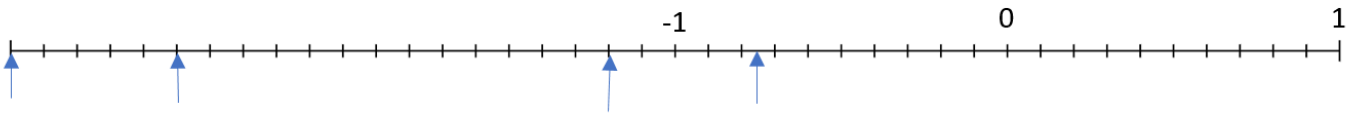
c) reflect C in the line $y = -x$ to make D

Answers

1a) two hundred billion b) sixty thousand c) four million 2) 0.018 3a) 4.2 b) $\frac{5}{6}$ c) $\frac{23}{48}$

4a) 1,000,000 b) 15 c) 9 d) 0.01 e) 25 f) 42 5) 64 6) 36 7) 13 8) $\frac{9}{11}$ 9) $\frac{4}{7}$ 10) $\frac{7}{15}$

11) 20% 12) $\frac{1}{150}$ 13) below 14) $-13, -3.2, -2\frac{1}{3}, -2.3, \frac{2}{3}, 23$ 15) below



16) -2, -1, 0, 1 17) $y \leq 3, x > 1, y > x$

18a) A b) neither c) both d) neither

