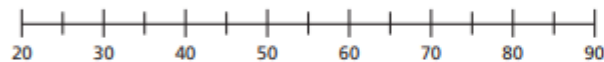


Round decimals

1 Here are some number cards.

27 61 49 83

a) Draw arrows to estimate the position of the numbers on the number line.



b) Use the numbers to complete the sentences.

is closer to 50 than 40

is closer to 30 than 20

is closer to 80 than 90

is closer to 60 than 70

2 Here are some number cards.

2.7 6.1 4.9 8.3

a) Draw arrows to estimate the position of the numbers on the number line.



b) Use the numbers to complete the sentences.

is closer to 5 than 4

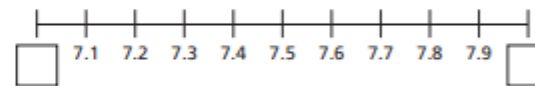
is closer to 3 than 2

is closer to 8 than 9

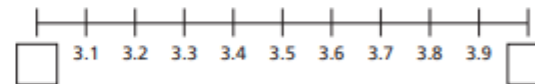
is closer to 6 than 7

3 Fill in the integers on the number lines.

a)



b)



4 Which integers do the numbers lie between?

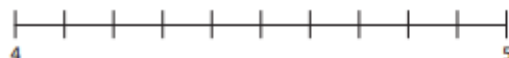
Fill in the boxes to make the statements correct.

a) < 1.4 <

b) < 34.8 <

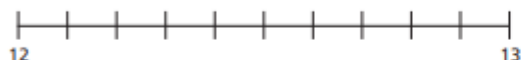
c) < 0.7 <

- 5 a) Label 4.3 on the number line.



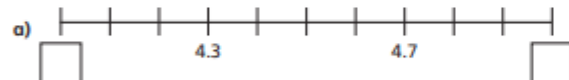
Is it closer to 4 or 5?

- b) Label 12.8 on the number line.



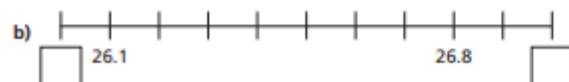
Is it closer to 12 or 13?

- 6 Complete the number lines and sentences.



is closer to than

is closer to than



is closer to than

is closer to than

- 7 Which numbers **round up** to the nearest whole number?

Circle your answers.

4.1 2.8 0.7 12.3 0.5 99.3

- 8 Round each decimal to the nearest whole number.

a) 1.8

e) 13.7

b) 4.2

f) 20.1

c) 0.9

g) 0.4

d) 1.5

h) 99.8

- 9 Ron is rounding 8.2 to the nearest whole number.



Because 2 tenths
is less than 5 tenths,
the number rounds
down to 7

Do you agree with Ron? _____

Explain your answer.

- 10 Tommy is thinking of a number that has one decimal place.

When he rounds his number to the nearest whole, the answer is 32

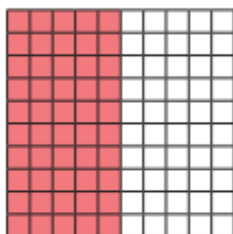
What number could Tommy be thinking of?

Are there any other answers?

Halves and quarters



- 1 Half of the hundred square is shaded.



a) How many hundredths are shaded?

b) How many tenths are shaded?

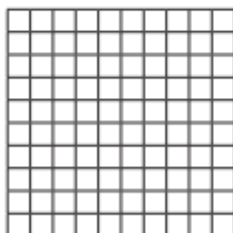
c) Complete the equivalent fractions.

$$\frac{1}{2} = \frac{\boxed{}}{100}$$

$$\frac{1}{2} = \frac{\boxed{}}{10}$$

d) Write $\frac{1}{2}$ as a decimal.

- 2 Here is a blank hundred square.



a) Shade $\frac{1}{4}$

b) How many hundredths are shaded?

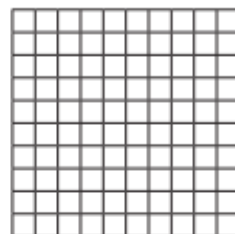
c) Complete the equivalent fraction.

$$\frac{1}{4} = \frac{\boxed{}}{100}$$

d) Write $\frac{1}{4}$ as a decimal.



- 3 Here is a blank hundred square.



a) Shade $\frac{3}{4}$

b) How many hundredths are shaded?

c) Complete the equivalent fraction.

$$\frac{3}{4} = \frac{\boxed{}}{100}$$

d) Write $\frac{3}{4}$ as a decimal.

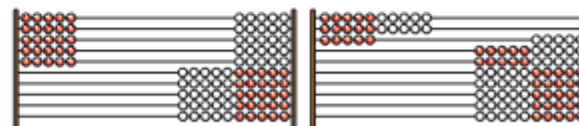
- 4



I don't need to shade a hundred square to write $\frac{3}{4}$ as a decimal because I already know what $\frac{1}{2}$ and $\frac{1}{4}$ are as decimals.

How does this help Annie?

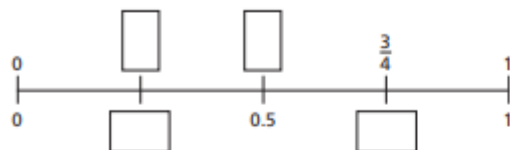
- 5



Both Rekenreks represent one quarter.

Is the statement true or false?

- 6 Fill in the missing fractions and decimals on the number line.



- 7 Complete the equivalent fractions and decimals.

a) $\frac{25}{100} = \frac{\boxed{}}{}$

e) $\frac{25}{100} = \frac{\boxed{}}{4}$

b) $\frac{75}{100} = \frac{\boxed{}}{}$

f) $\frac{\boxed{}}{4} = \frac{75}{100}$

c) $\frac{1}{4} = \frac{\boxed{}}{}$

g) $\frac{\boxed{}}{} = \frac{1}{2}$

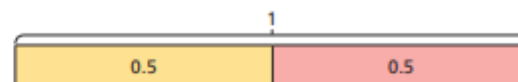
d) $\frac{3}{4} = \frac{\boxed{}}{}$

h) $\frac{50}{100} = \frac{\boxed{}}{2}$

- 8

$$0.5 + 0.5 = 1$$

This bar model shows that $\frac{1}{2}$ is equivalent to 0.5



Draw a bar model to show that $\frac{1}{4}$ is equivalent to 0.25

- 9

Use your knowledge of equivalent fractions to convert between fractions and decimals.

a) $\frac{2}{4} = \frac{\boxed{}}{}$

d) $0.25 = \frac{\boxed{}}{24}$

b) $\frac{5}{20} = \frac{\boxed{}}{}$

e) $\frac{\boxed{}}{68} = 0.5$

c) $\frac{\boxed{}}{} = \frac{21}{28}$

f) $0.75 = \frac{\boxed{}}{400}$