

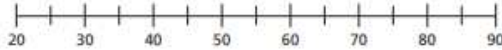
Round decimals



1 Here are some number cards.



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



b) Use the numbers to complete the sentences.

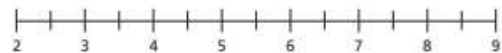
- is closer to 50 than 40
- is closer to 30 than 20
- is closer to 80 than 90
- is closer to 60 than 70



2 Here are some number cards.



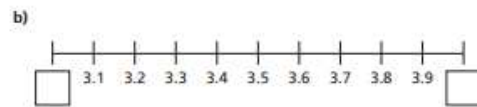
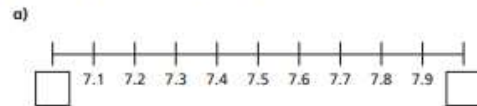
a) Draw arrows to estimate the position of the numbers on the number line.



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.



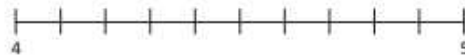
4 Which integers do the numbers lie between?

Fill in the boxes to make the statements correct.

- a)  < 1.4 <
- b)  < 34.8 <
- c)  < 0.7 <

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5 a) Label 4.3 on the number line.



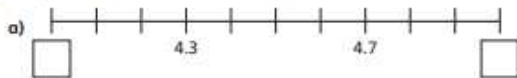
Is it closer to 4 or 5?

b) Label 12.8 on the number line.

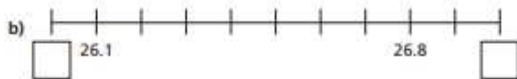


Is it closer to 12 or 13?

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
- b) 4.2
- c) 0.9
- d) 1.5
- e) 13.7
- f) 20.1
- g) 0.4
- 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?

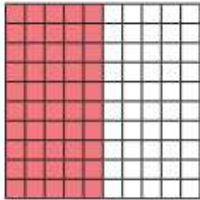
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Halves and quarters



1 Half of the hundred square is shaded.



a) How many hundredths are shaded?

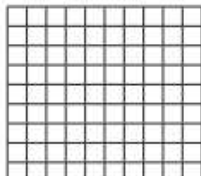
b) How many tenths are shaded?

c) Complete the equivalent fractions.

$\frac{1}{2} = \frac{\square}{100}$        $\frac{1}{2} = \frac{\square}{10}$

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

2 Here is a blank hundred square.



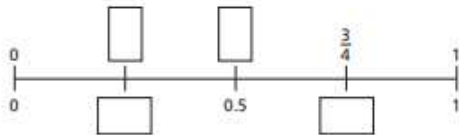
a) Shade  $\frac{1}{4}$

b) How many hundredths are shaded?

c) Complete the equivalent fraction.

$\frac{\square}{\square} = \frac{\square}{100}$

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



7 Complete the equivalent fractions and decimals.

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

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

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

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

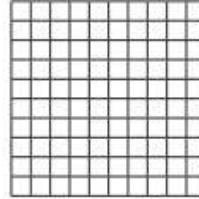
c)  $\frac{1}{4} = \frac{\square}{\square}$

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

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

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

3 Here is a blank hundred square.



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

b) How many hundredths are shaded?

c) Complete the equivalent fraction.

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

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

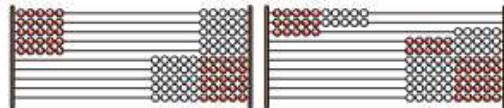
4



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?

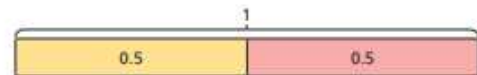
5



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)  $\frac{2}{4} = \frac{\square}{\square}$

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

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

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

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

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



**Pounds and pence**



1 How much money is there?



What is the same and what is different?



a) Complete the statements.

There is  pounds.

There is  pence.

There is £  and  p.

There is £

b) Draw money so that there are fewer coins but the same total amount.



5 Amir has a note in his pocket.

Annie has three coins in her pocket.



Amir must have more money than Annie.

Do you agree with Dora? \_\_\_\_\_

Explain your answer.

\_\_\_\_\_

\_\_\_\_\_

6 Kim has four coins.

- The coins add to a multiple of 10
- The total amount is more than £1
- All the coins are silver.
- The total is less than £1.50

a) Which four coins could Kim have?

\_\_\_\_\_

b) How many different combinations can you find?

3 Match the amounts that are equal.

Fill in the missing digits.

|                        |   |                        |
|------------------------|---|------------------------|
| 460p                   | £ <input type="text"/> and <input type="text"/> p | £4.62                  |
| 420p                   | £4 and 62p  | £4.06                  |
| <input type="text"/> p | £4 and 6p   | £4.20                  |
| 462p                   | £4 and 20p  | £ <input type="text"/> |
| 426p                   | £4 and 26p  | £4.60                  |

4 Match the person to the correct amount.

|   |  |
|---|--|
| <p>I have a note and some coins.</p> <p>Ron</p> |  |
| <p>I have more than Ron.</p> <p>Rosie</p>       |  |
| <p>I have the most money.</p> <p>Jack</p>       |  |

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7 Mo has this money.



Decide whether Mo's statements are true (T) or false (F).

Circle your answer and give a reason for your choice.

- a) You can make an amount greater than £11      T      F
- 
- b) You can make exactly £1.50 using three coins.      T      F
- 
- c) You can make exactly £2.02 using four coins.      T      F
- 
- d) You can make exactly £6.11      T      F
- 

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Ordering money



1 What is the value of the digit 2 in these amounts?

- a) 524p \_\_\_\_\_
- b) £24 and 50p \_\_\_\_\_
- c) £54.02 \_\_\_\_\_
- d) 5,240p \_\_\_\_\_
- e) £42.54 \_\_\_\_\_
- f) 2,544p \_\_\_\_\_

2 Write <, > or = to compare each pair of amounts.

a)

b)

c) How did you compare the amounts?

3 Write <, > or = to compare the amounts.

- a) 743p ○ 734p      d) £40.07 ○ 4,003p
- b) £37.40 ○ £37.04      e) 4,037p ○ £40.37
- c) £3.74 ○ 734p      f) 7,304p ○ £73.40

4 a) Write the amounts in ascending order.

270p      2,007p      2,700p      720p      7,020p

b) Write the amounts in descending order.

£4.65      £46.50      £6.45      £45.60      £46.05

c) Write the amounts in ascending order.

£21.89      1,289p      8,291p      £82.19      9,128p

d) Write the amounts in descending order.

£5.05      550p      5,500p      £50.50      £55.05

3 Draw three coins in each box to make the statements correct.

£26.70 <

<

£26.70 >

>

£26.70 =

=

Is there more than one way to make each statement correct?

6 Huan has three different silver coins in his hand.

What amounts could he have?

Write them in ascending order.

7 Teddy has £6.55 and Annie has 673p.

Dexter has more money than Teddy, but less than Annie.

I only have one copper coin.



a) How much money could Dexter have? £

b) What different amounts can you find?

8 What could the missing amount of money be?

369p < £     < £16.63

Use the digit cards to complete the inequality.

1  3  6  9  0

Use each digit card once only.

You do not need to use every card.

Compare answers with a partner. How many different answers can you find?



Friday 1<sup>st</sup> May 2020

Week 1- Lesson 5-

Please watch the video first <https://whiterosemaths.com/homelearning/year-4/> (Summer Term  
Week 2 Lesson 5)