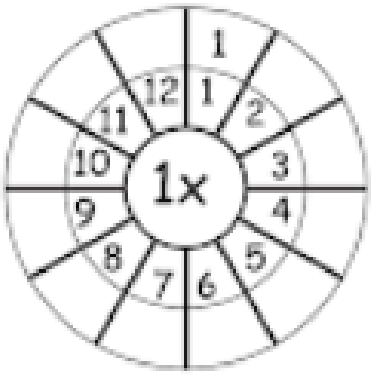
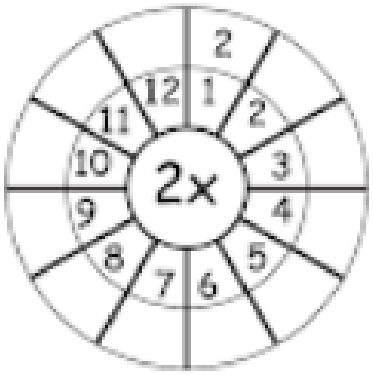
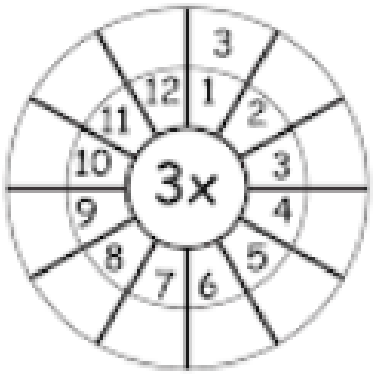
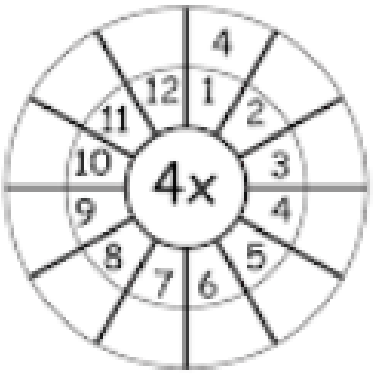
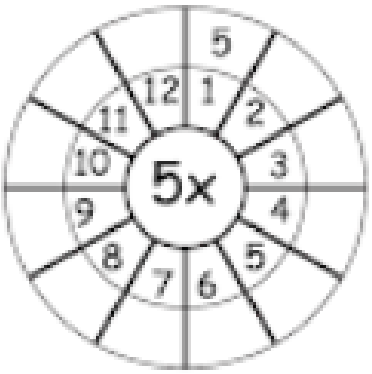
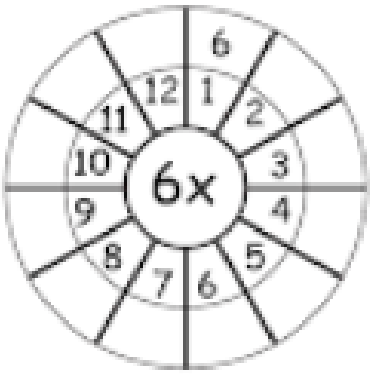

1x
1 2 3 4 5 6 7 8 9 10 11 12

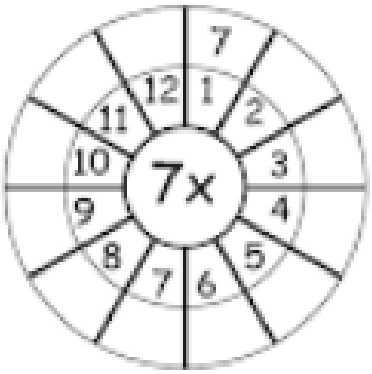

2x
2 3 4 5 6 7 8 9 10 11 12 1

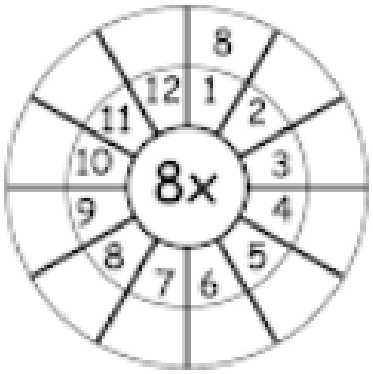

3x
3 4 5 6 7 8 9 10 11 12 1 2

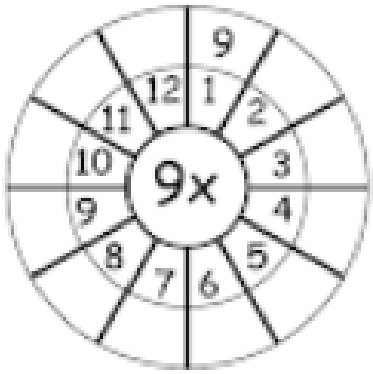

4x
4 5 6 7 8 9 10 11 12 1 2 3

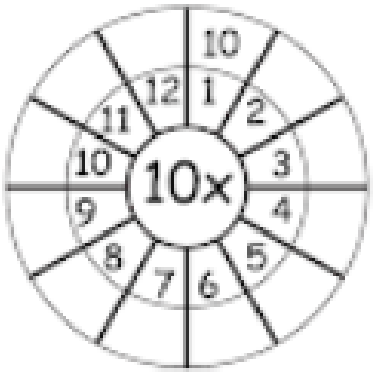

5x
5 6 7 8 9 10 11 12 1 2 3 4

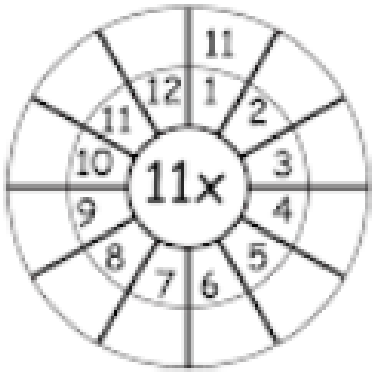

6x
6 7 8 9 10 11 12 1 2 3 4 5

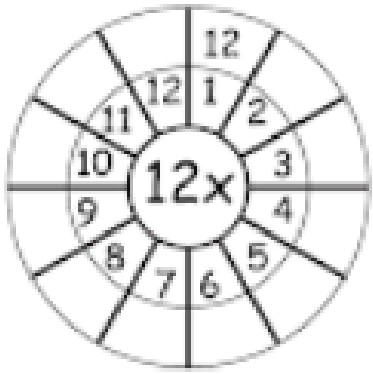

7x
7 8 9 10 11 12 1 2 3 4 5 6


8x
8 9 10 11 12 1 2 3 4 5 6 7


9x
9 10 11 12 1 2 3 4 5 6 7 8


10x
10 11 12 1 2 3 4 5 6 7 8 9


11x
11 12 1 2 3 4 5 6 7 8 9 10

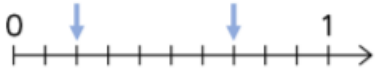

12x
12 1 2 3 4 5 6 7 8 9 10 11

Monday 22.11.21 *MPI: Representing hundredths as decimal fractions*

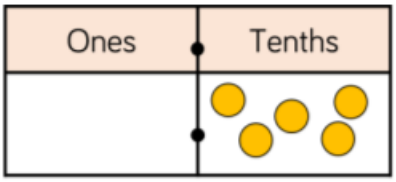
1. Complete the table.

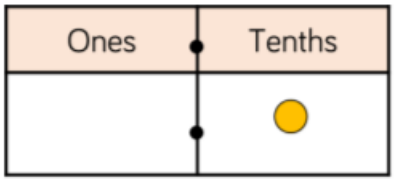
Image	Words	Fraction	Decimal
	five tenths		
			0.9

2. What fractions and decimals are represented in these diagrams?

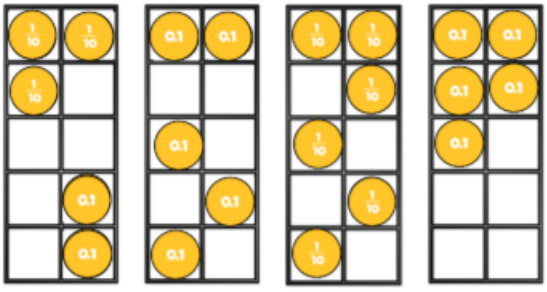


3. What decimal is represented in these place value charts?





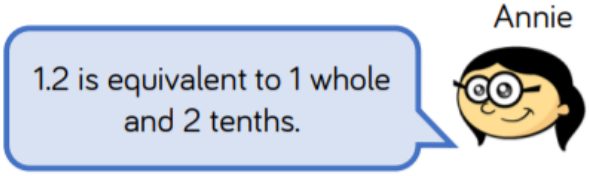
4. Which ten frame is the odd one out?

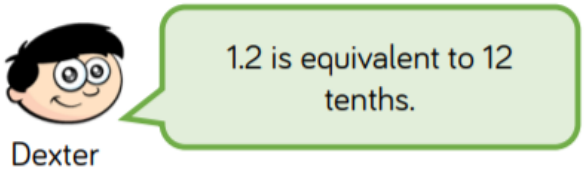


Explain your answer.

5.

Who is correct?



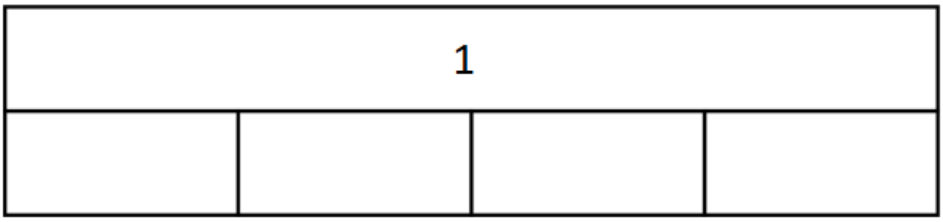


Explain why.

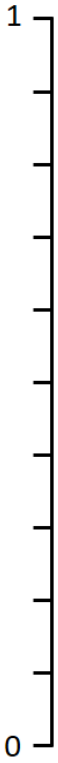
Wednesday 24th November 2021

MPI: Reading scales with intervals of 2, 4, 5 and 10

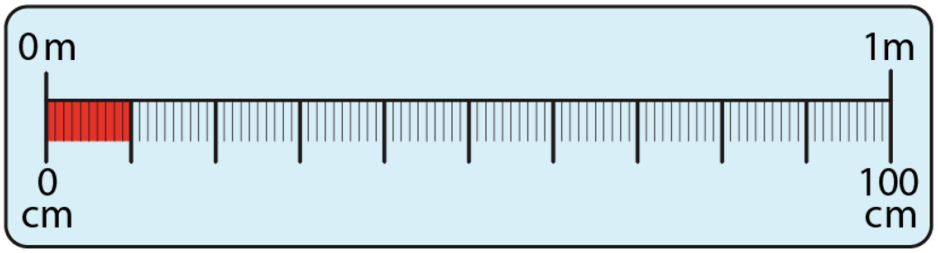
1. *Complete the bar model*



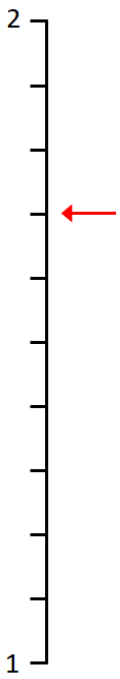
2. *What is the value if each interval as a fraction and as a*

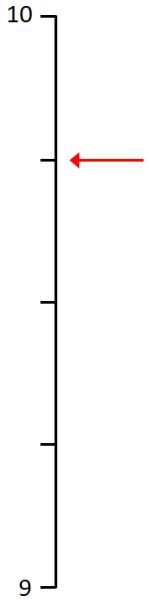


3. *ow much of the ruler is shaded? Give your answer in cm and metres.*



4. *What is the value of each arrow?*





5. *Complete the sequence:*

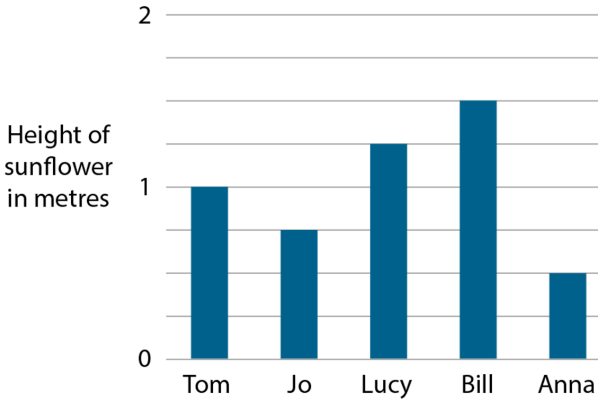
0 0.25 ____ 0.75 1 ____ 1.5 ___ 2

Wednesday 24th November 2021

Challenge

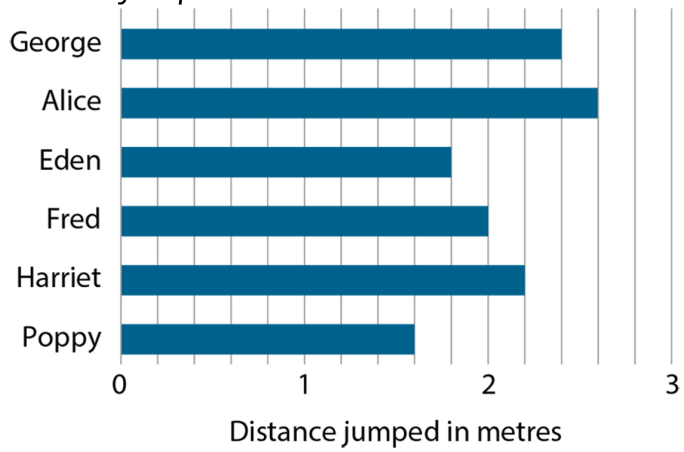
MPI: Reading scales with intervals of 2, 4, 5 and 10

1. Label the heights of each sun-



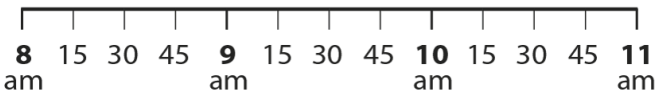
2a) How far did each person jump?

2b) What was the difference between the longest and shortest jumps?

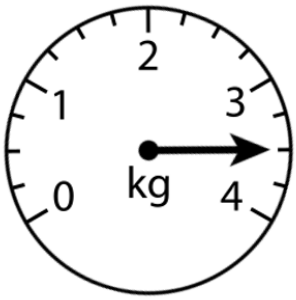


3. Circle each person's time on the number line

Name	Time
Dipesh	10.15 am
Vana	8.45 am
Emily	10.45 am
Suza	8.15 am
Hector	9.45 am
Tim	9.15 am



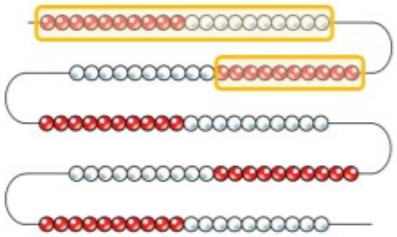
4. What weight is marked on each scale?



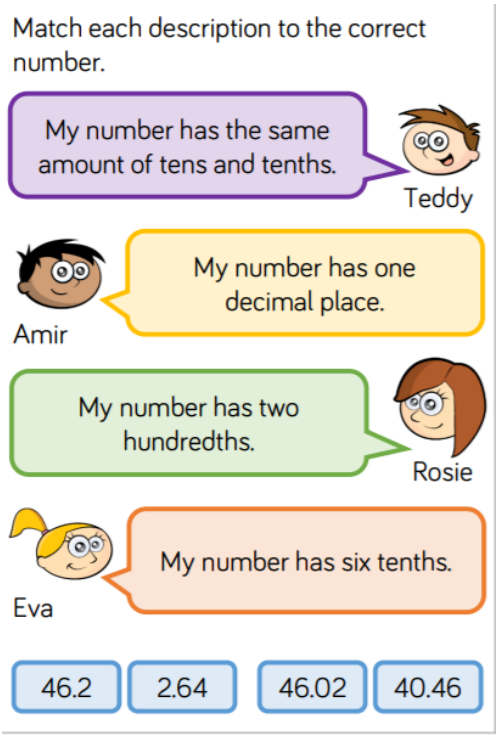
Friday 26th November 2021

MPI: Problem solving and reasoning with decimal fractions

1. If the whole bead string represents one whole, what decimal is represented by the highlighted part?



2. Match each description to the correct number.



3. Draw a place value chart to represent these numbers as decimals:

a)

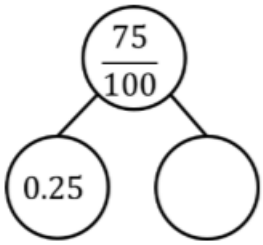
B) 7 tens, 4 ones, 6 tenths, 2 hundredths

C) 3 and 32 hundredths

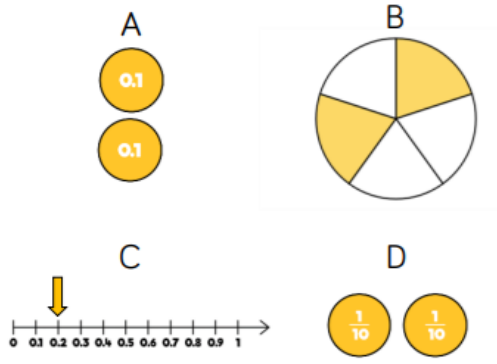
4. Use the digits 3, 4 and 5 to complete the decimal number.

List all the possible numbers you can make.

5. How many different ways can you complete the part-whole model using fractions and decimals?



6. Which of the images below is the odd one out?



Explain why.

Friday 26th November 2021

MPI: Problem solving and reasoning with decimal fractions

2a. Find the missing digits in the calculation below.

	3	•	✸	
+	2	•	0	✸
✸		•	8	3

3b. Leo has been converting fractions and decimals. He says,

0.85 can be converted to $\frac{85}{100}$.

Is he correct? Explain why.

1a. Sam has £9 to spend. She buys oil, eggs and flour. How much did she have left?

£0.90

£1

£2.80

£2.10

£4.30

What else could she buy?

3b. Dan and Dorota measured the height of the plants in their kitchen. They found that the plants were 10cm, 13.9cm, 22.2cm and 31cm.

Dorota

The total height of all the plants is 77.1cm.

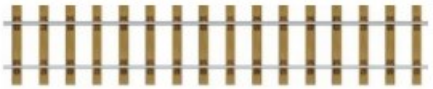
The total height of all the plants is more than 77.1cm.

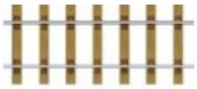
Dan

Who is correct? Explain your answer.

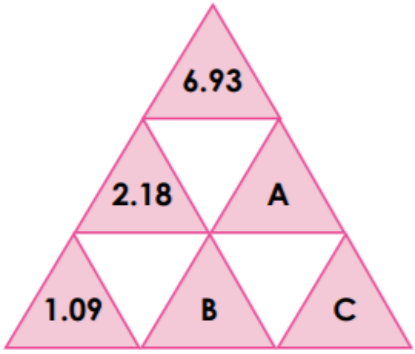
7a. A train company needs 300m of track. They have already laid these pieces.

29.37m


88m


37.51m

115.75m

Which piece could be laid again?

6b. Calculate the missing numbers. The top triangle is the total of the two triangles below.