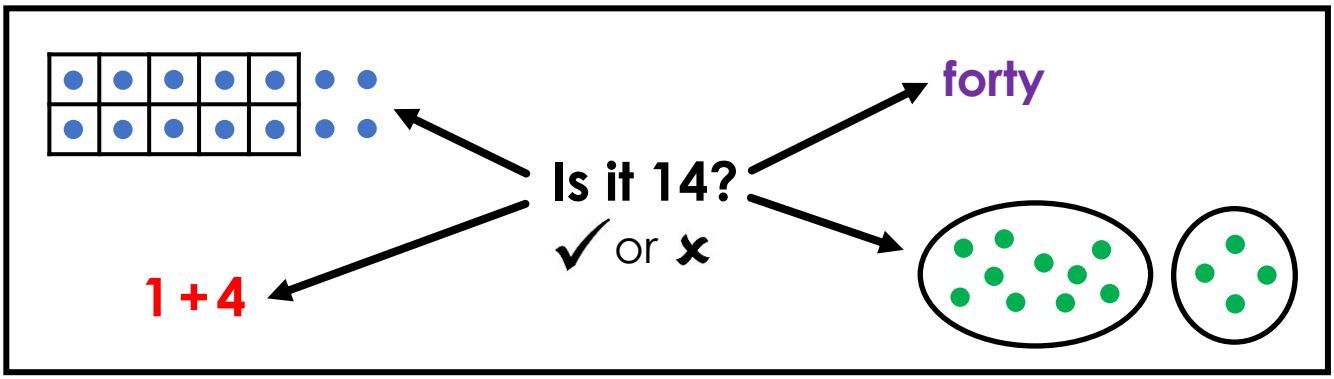
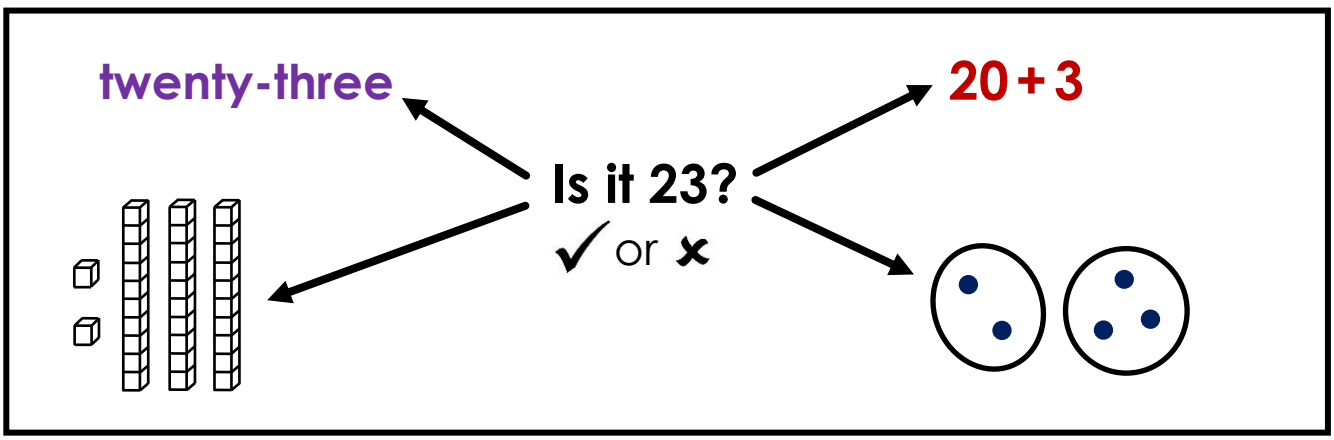
Task A Intro: 2-digit numbers

Teacher notes: the ***Task Build-Up*** (download from www.iseemaths.com/problem-solving-KS1) shows different ways to make 15 as a pre-curser to the ***Intro*** tasks.

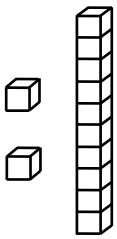
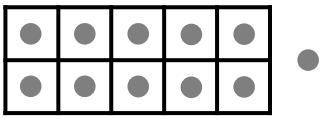
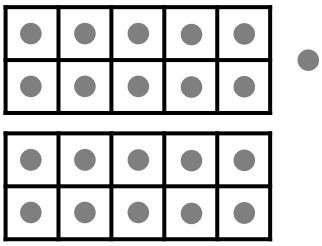
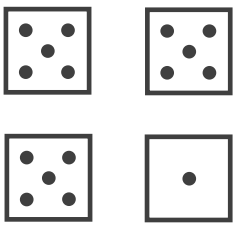
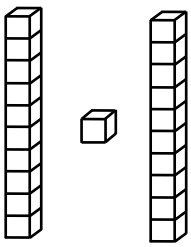
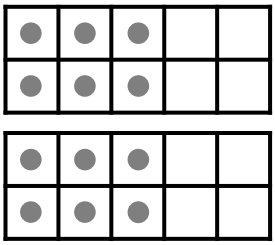
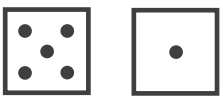




Which answer?

nineteen	19 or 91
thirty-one	13 or 31
	25 or 30
	18 or 16
1 + 7	8 or 17
10 + 7	107 or 17

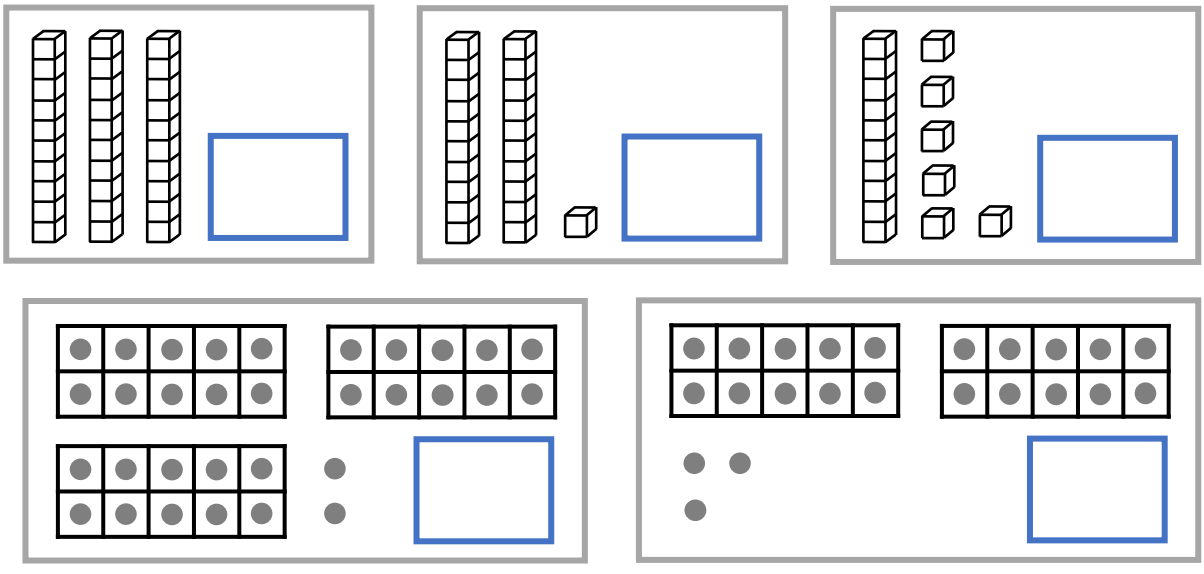
Task A: 2-digit numbers

Is it 21?	Is it 12?	Is it trash?
	twenty-one	
	10 + 2	twenty
		
2 + 1		twelve
	10 + 10 + 1	

Task A Questions: 2-digit numbers

How many? Put the answer in the blue box.

QUESTIONS

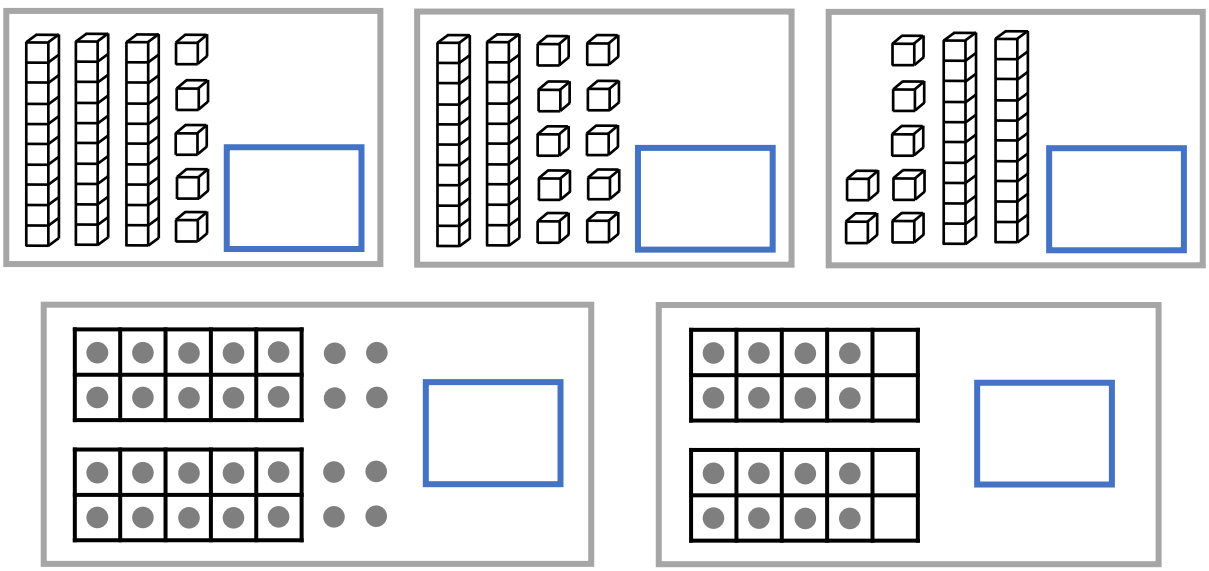


10 + 10 + 10 + 1 =

10 + 3 =

How many? Put the answer in the blue box.

QUESTIONS



10 + 2 + 10 + 2 + 10 =

2 + 4 =

2 + 40 =

Task A Extend: 2-digit numbers

Teacher notes: 4 possible answers: three 10p coins and four 1p coins; two 10p coins and fourteen 1p coins; one 10p coin and twenty-four 1p coins; thirty-four 1p coins.

EXTEND

Use **10p** and **1p** coins.

Make 34p

Do in different ways.

10p 1p

EXTEND

Use **10p** and **1p** coins.

Make 34p

Do in different ways.

10p 1p

EXTEND

Use **10p** and **1p** coins.

Make 34p

Do in different ways.

10p 1p

EXTEND

Use **10p** and **1p** coins.

Make 34p

Do in different ways.

10p 1p

EXTEND

Use **10p** and **1p** coins.

Make 34p

Do in different ways.

10p 1p

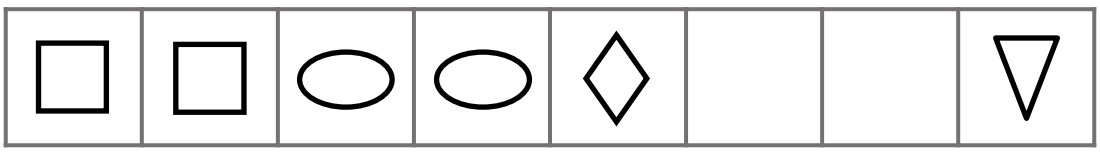
Task C Intro: Patterns in counting

Teacher notes: the ***Task Build-Up Part 1*** (download from www.iseemaths.com/problem-solving-KS1) has four pattern questions to be shown before the ***Intro*** task.

What next?

5	0	5	0	5	0										

0	0	0	0	0	1	1	1	1	1	2	2				

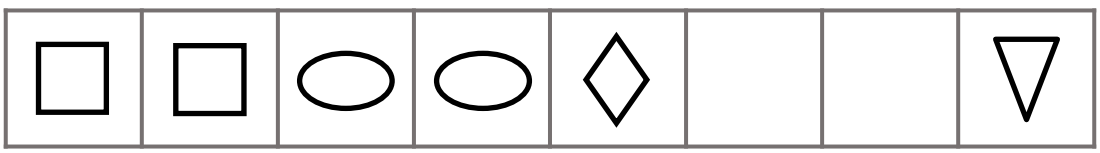


0	2	4	6	8	0	2			8	0					

What next?

5	0	5	0	5	0										

0	0	0	0	0	1	1	1	1	1	2	2				



0	2	4	6	8	0	2			8	0					

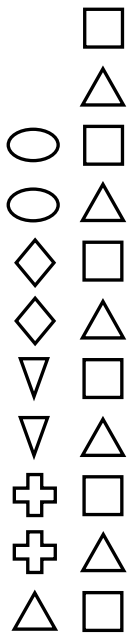
Task C: Patterns in counting

Teacher notes: Count in 2s → pattern C, count in 5s → pattern A, count in 10s → pattern B. The ***Task Build-Up Part 2*** (download from www.iseemaths.com/problem-solving-KS1) is designed to be shown before the task to help children connect shape patterns and number patterns.

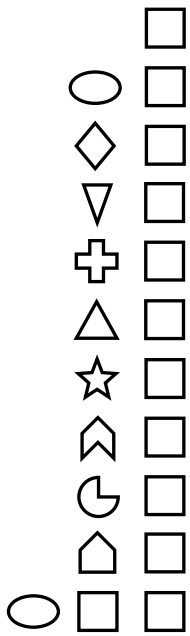
Cut out. ✂ **Explain the patterns.**
Match each shape pattern to a number pattern.

Count in 2s	Count in 5s	Count in 10s
0	0	0
2	5	10
4	10	20
6	15	30
8	20	40
10	25	50
12	30	60
14	35	70
16	40	80
18	45	90
20	50	100

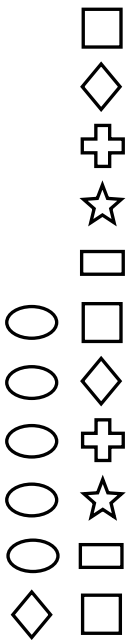
Pattern A



Pattern B

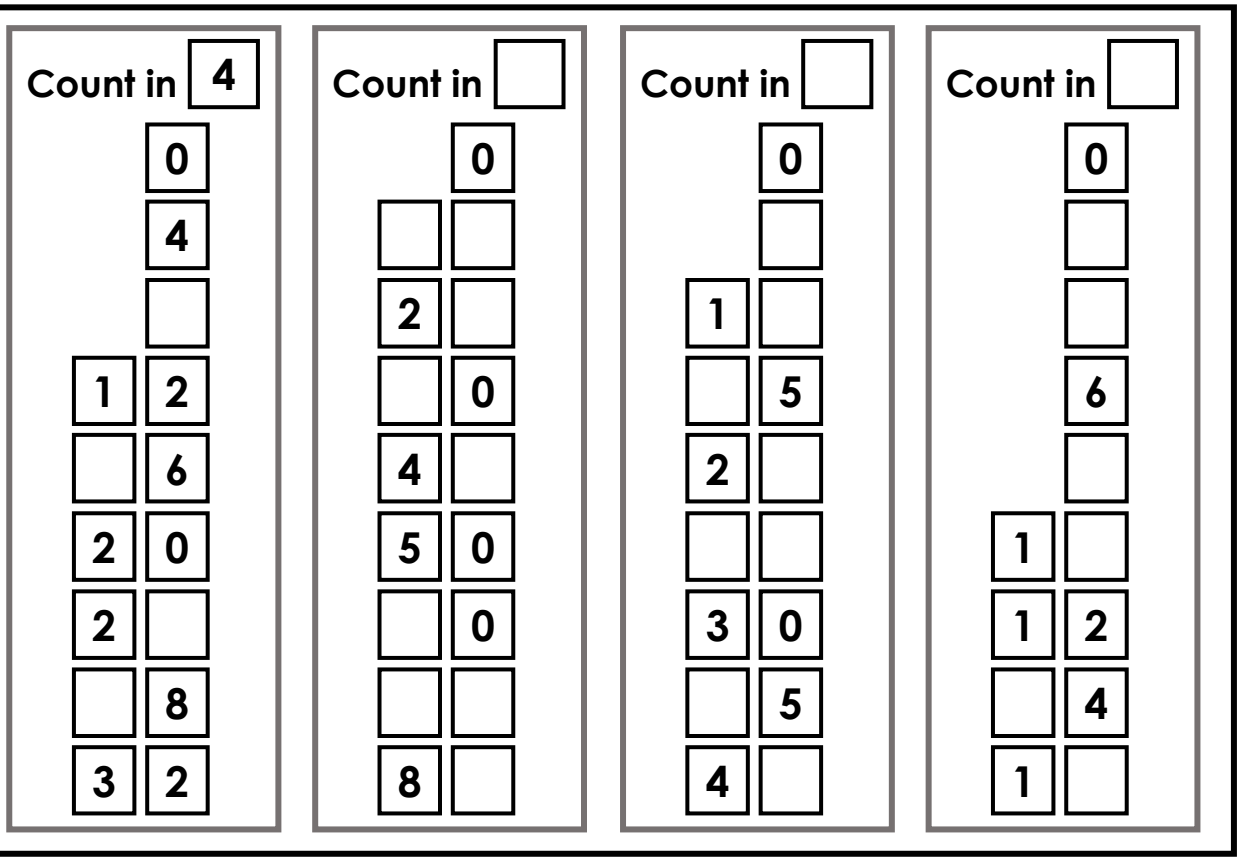


Pattern C

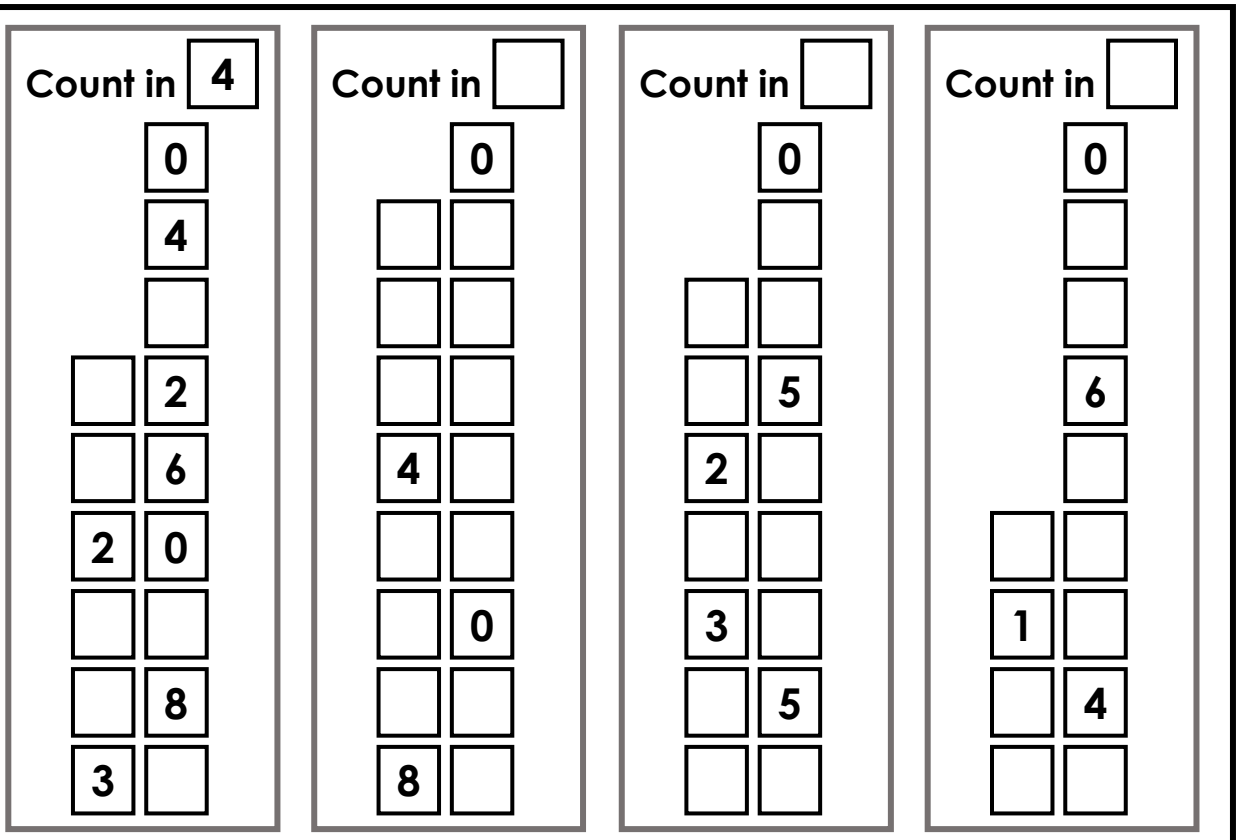


Task C Questions: Patterns in counting

QUESTIONS



QUESTIONS



Task C Extend: Patterns in Counting

Teacher notes: The ***Task Build-Up Part 3*** (download from www.iseemaths.com/problem-solving-KS1) is designed to be shown before this task. Note the pattern for the tens value in a count in 4s: sometimes the tens changes every two numbers, sometimes every three numbers.

EXTEND

Count in 5s: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60…

Pattern in ones value: _____

Pattern in tens value: _____

Count in 4s: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52…

Pattern in ones value: _____

Pattern in tens value: _____

What do you notice about this pattern?

EXTEND

Count in 5s: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60…

Pattern in ones value: _____

Pattern in tens value: _____

Count in 4s: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52…

Pattern in ones value: _____

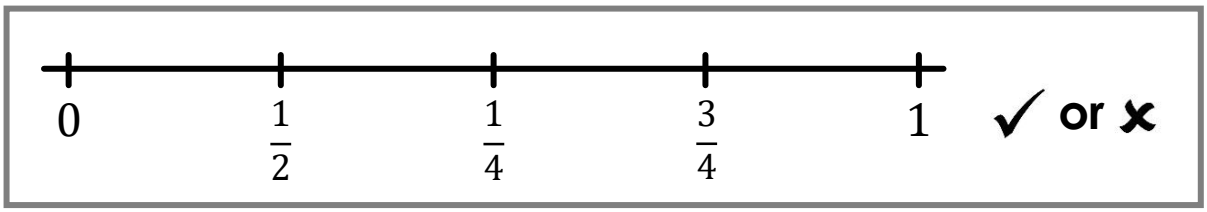
Pattern in tens value: _____

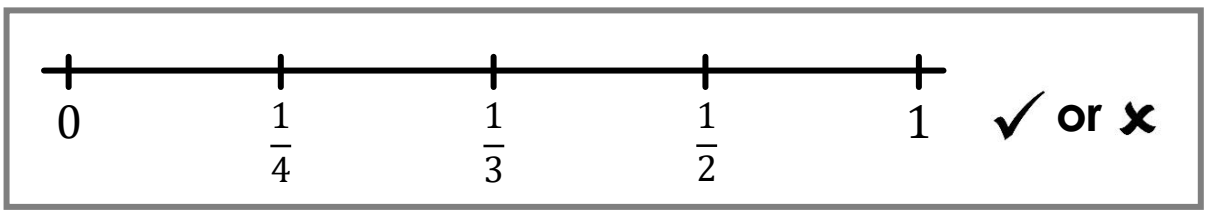
What do you notice about this pattern?

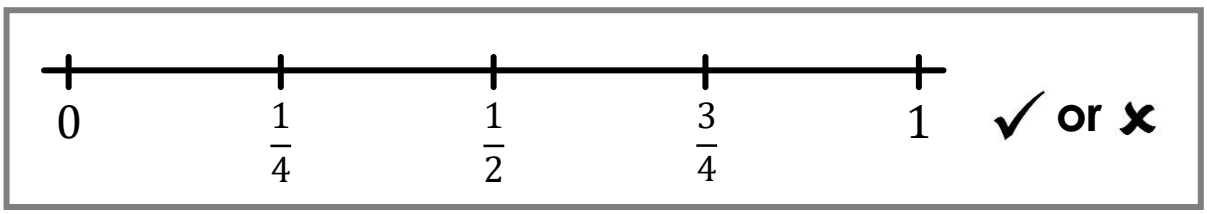
Task EF part 1: Fractions on a Line

INTRO 1

Correct or not correct?

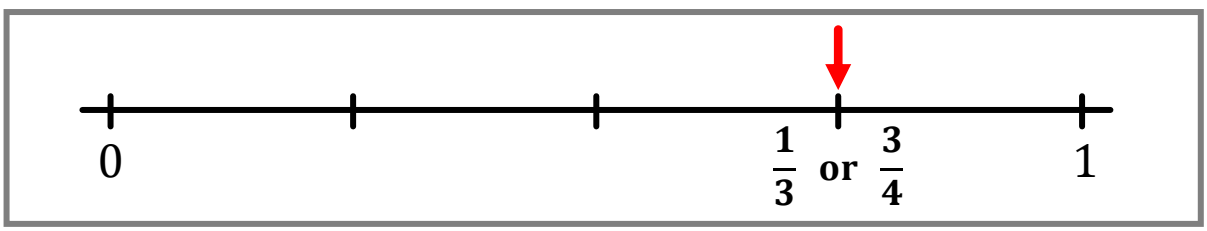


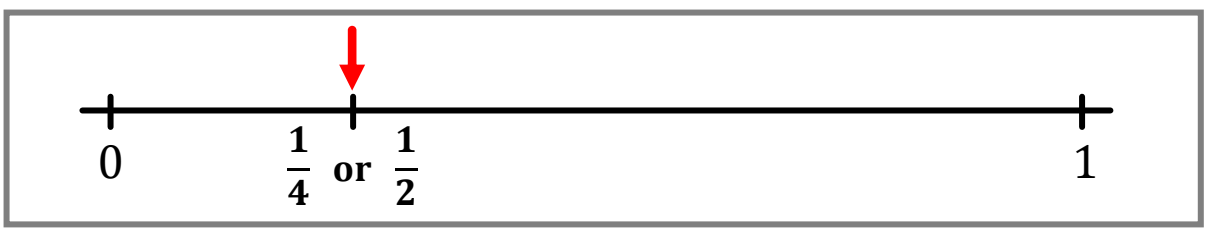


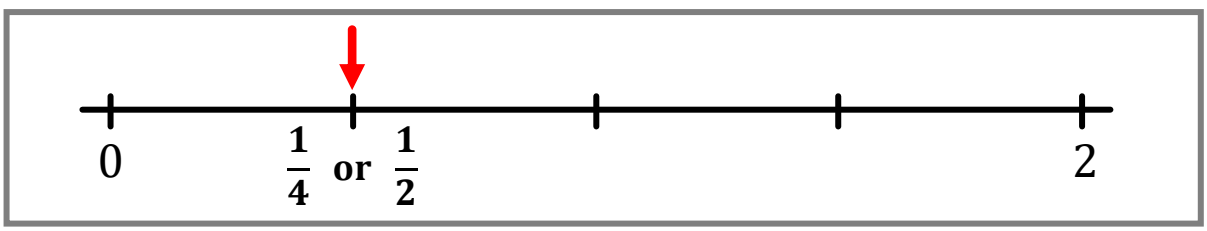


INTRO 2

Which answer?



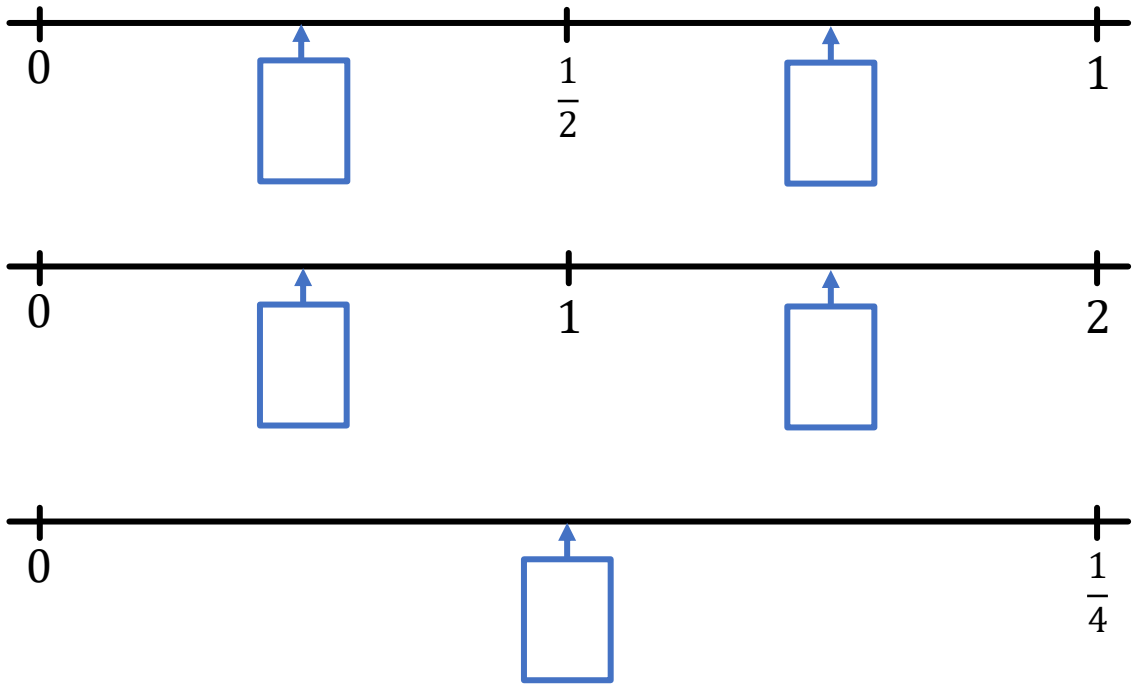




Task EF Questions: Fractions on a Line

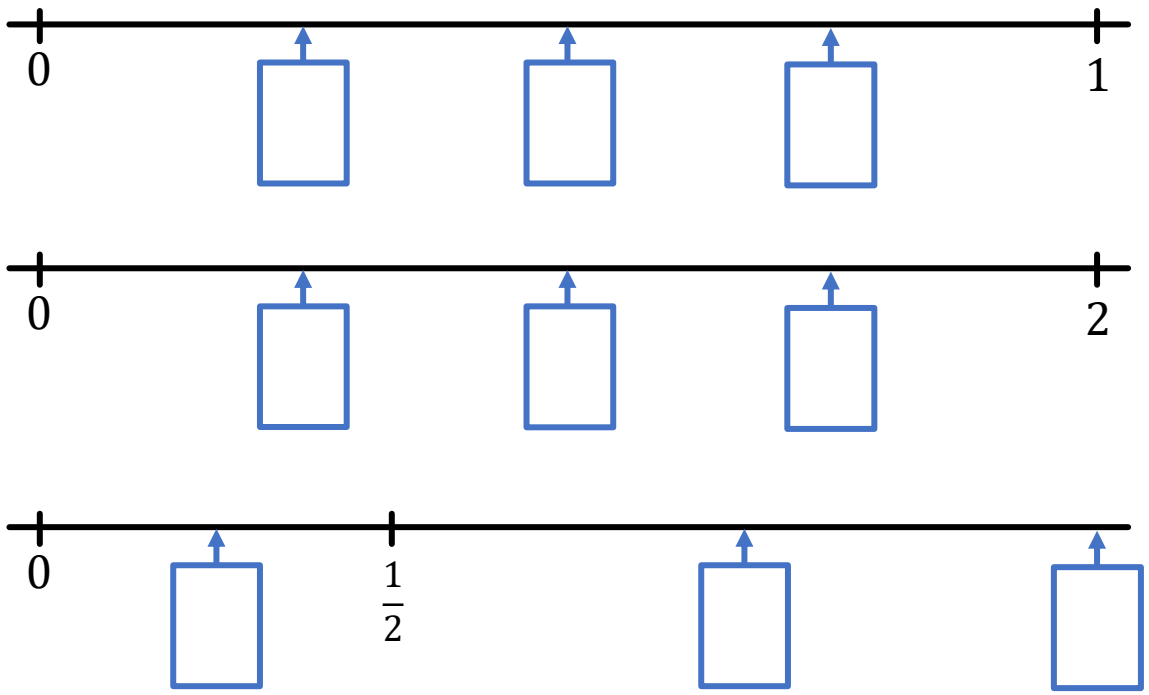
Write the **number or fraction** at each arrow.

QUESTIONS



Write the **number or fraction** at each arrow.

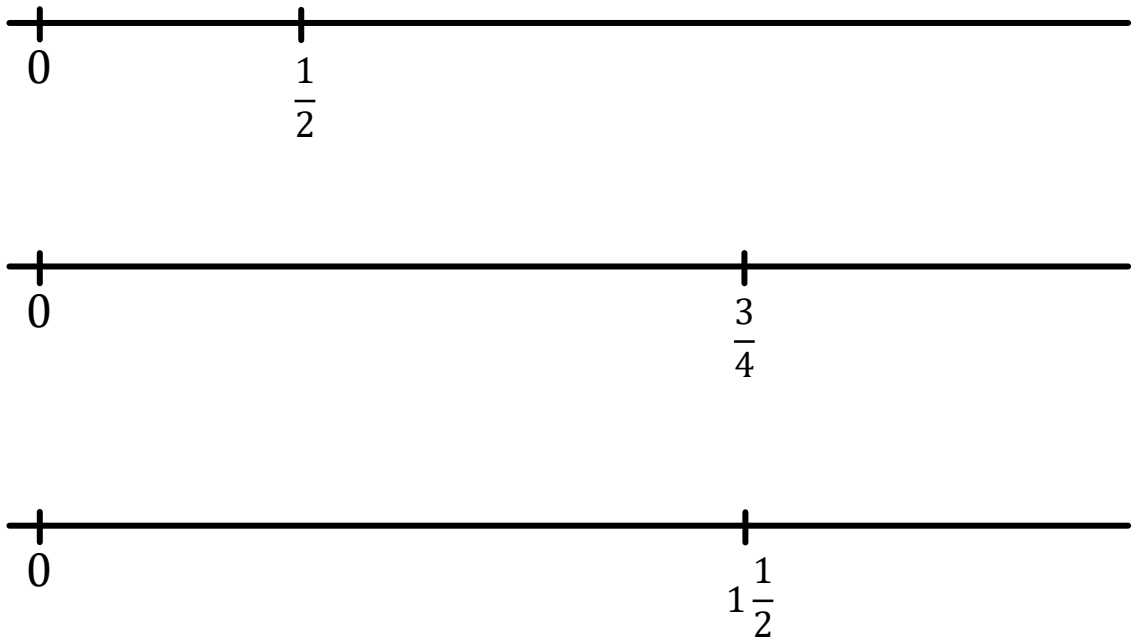
QUESTIONS



Task EF Extend: Fractions on a Line

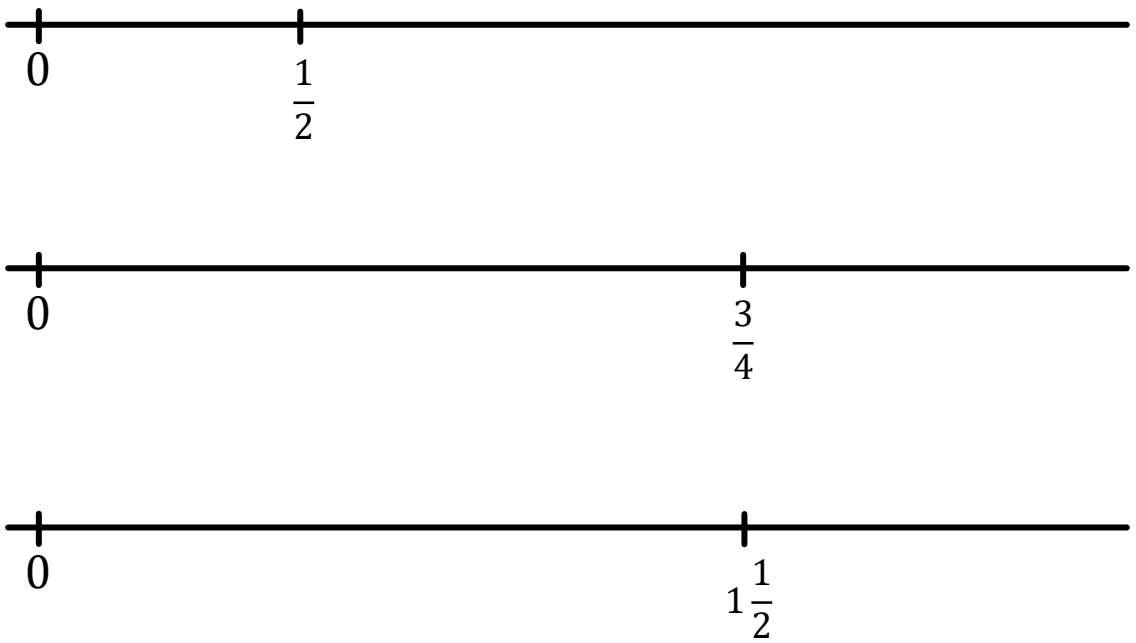
Put **different numbers or fractions** on the number lines:

EXTEND



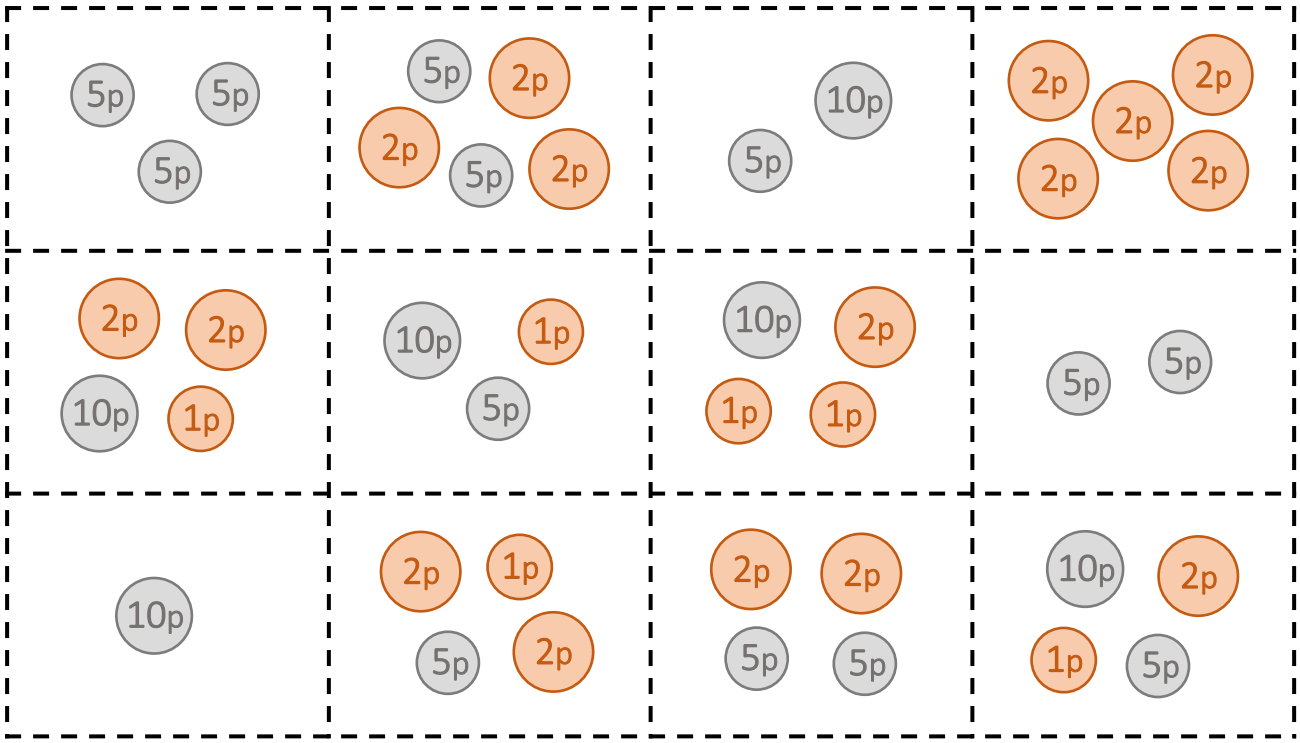
Put **different numbers or fractions** on the number lines:

EXTEND

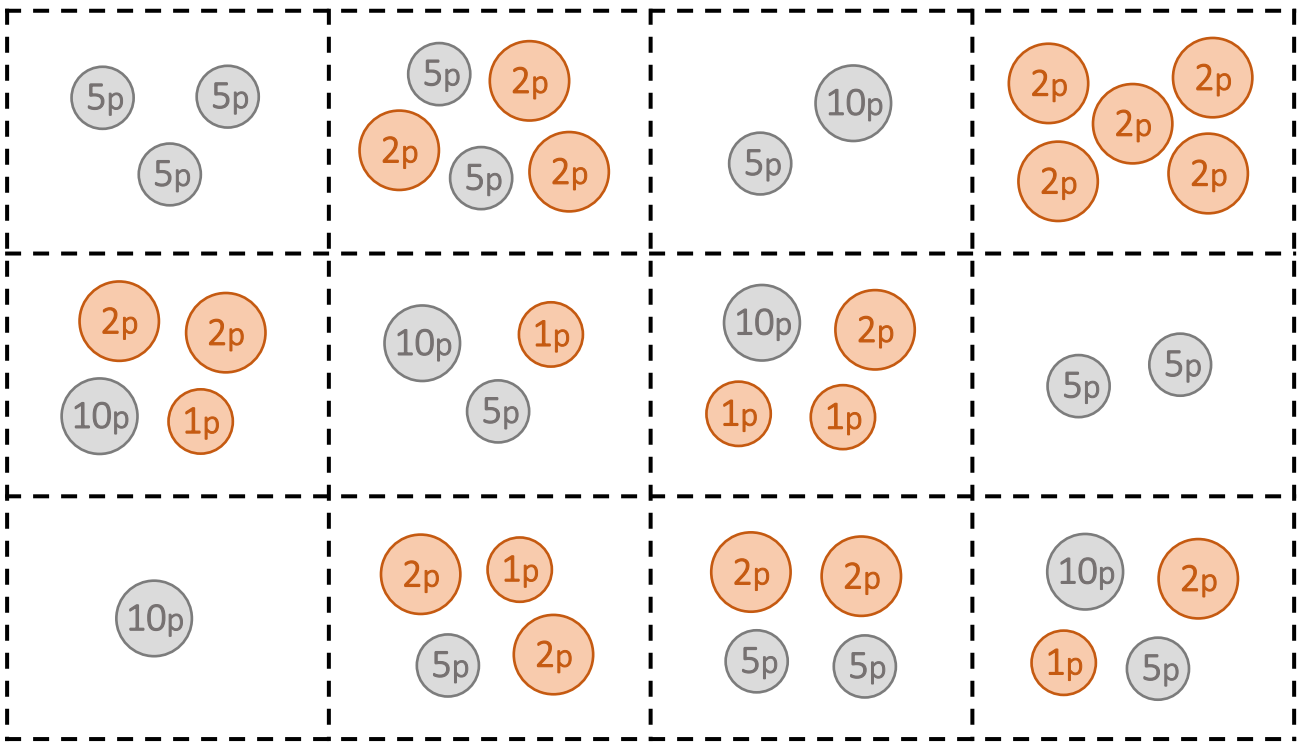


Task EJ: Making Money to 20p

Order. Match amounts that are **the same.**



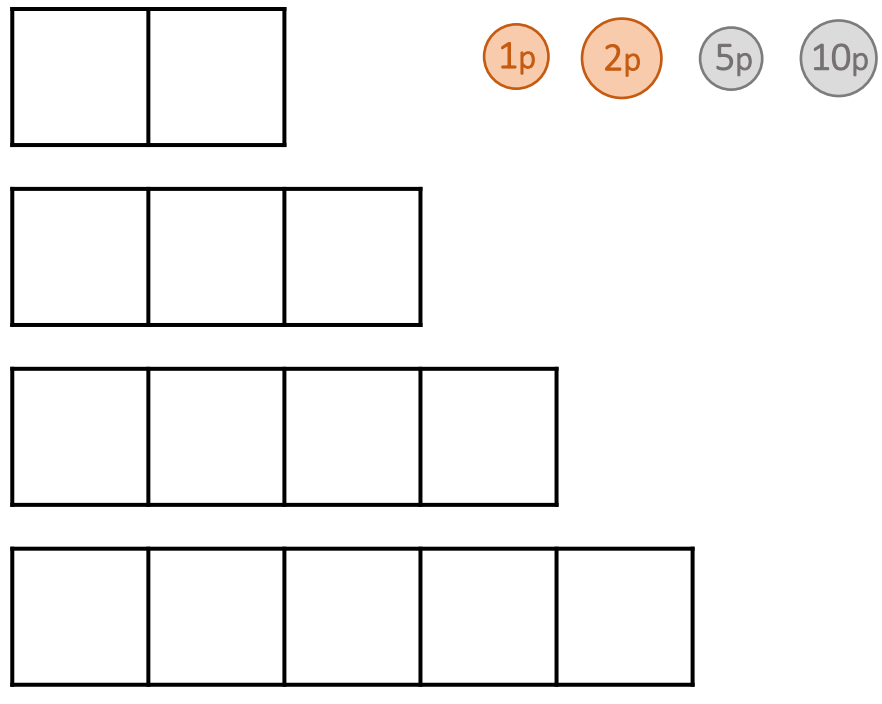
Order. Match amounts that are **the same.**



Task EJ Questions: Making Money to 20p

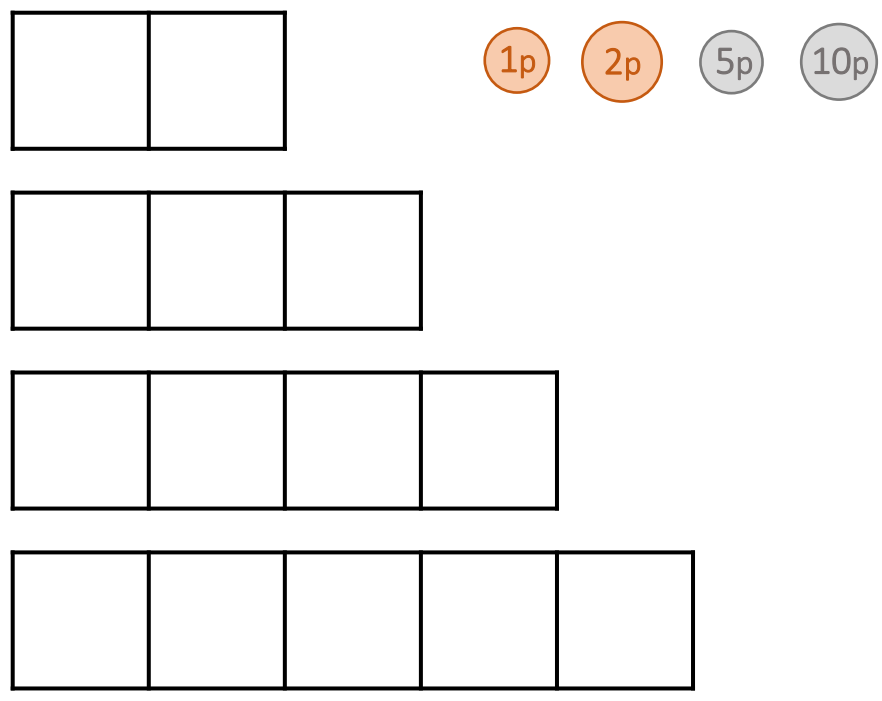
TASK

Make 20p. Use:



TASK

Make 20p. Use:



Task EJ Extend: Making Money to 20p

Make 20p. Use 6 coins.

There are 3 different ways.

EXTEND

1st way

2nd way

3rd way

Tip: *think of different ways to make 5p and 10p.*

Make 20p. Use 6 coins.

There are 3 different ways.

EXTEND

1st way

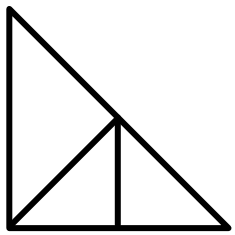
2nd way

3rd way

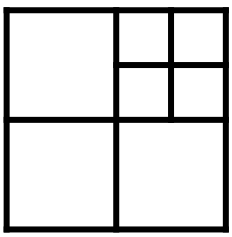
Tip: *think of different ways to make 5p and 10p.*

Task ZZ Intro: Combining Shapes

Teacher notes: the ***Task Build-Up*** (download from www.iseemaths.com/problem-solving-KS1) shows the number of triangles or squares in each shape.



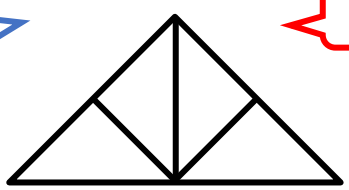
Find 5 triangles.



Find 9 squares.

How many triangles? *Circle the correct answer.*

5 triangles

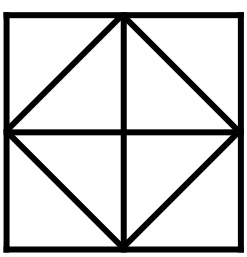


4 triangles

7 triangles

How many squares? *Circle the correct answer.*

6 squares



5 squares

8 squares

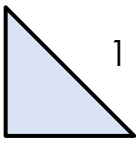
Task ZZ: Combining Shapes

Teacher notes: the shapes can be cut out from the next page. the ***Task Build-Up*** (download from www.iseemaths.com/problem-solving-KS1) shows the solutions to each task..

You need:

2 small triangles

1 square



1 big triangle

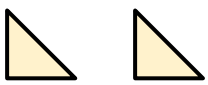
Task 1: Use **3 shapes** to make a **rectangle.**

Task 2: Use **4 shapes** to make a **square.**

Task 3: Use **3 shapes** to make a **triangle.**

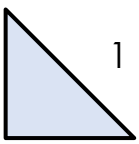
Task 4: Use **4 shapes** to make a **triangle.**

You need:



2 small triangles

1 square



1 big triangle

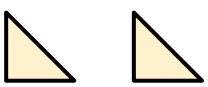
Task 1: Use **3 shapes** to make a **rectangle.**

Task 2: Use **4 shapes** to make a **square.**

Task 3: Use **3 shapes** to make a **triangle.**

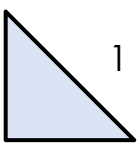
Task 4: Use **4 shapes** to make a **triangle.**

You need:



2 small triangles

1 square



1 big triangle

Task 1: Use **3 shapes** to make a **rectangle.**

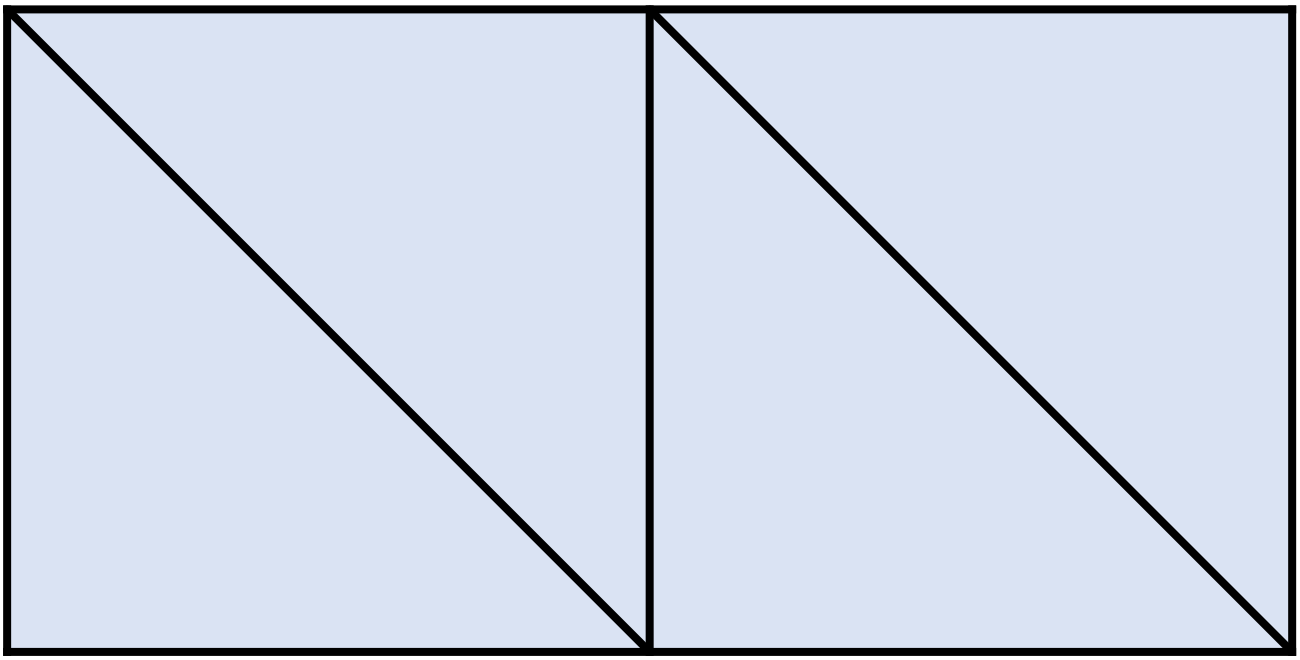
Task 2: Use **4 shapes** to make a **square.**

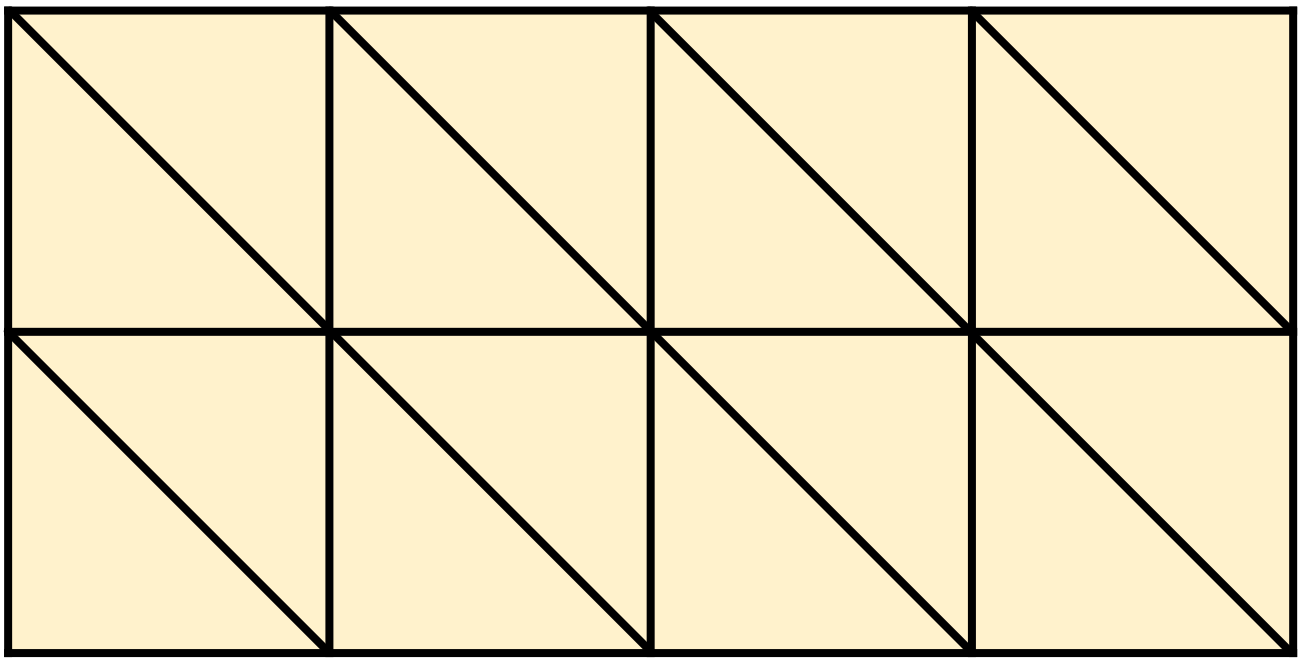
Task 3: Use **3 shapes** to make a **triangle.**

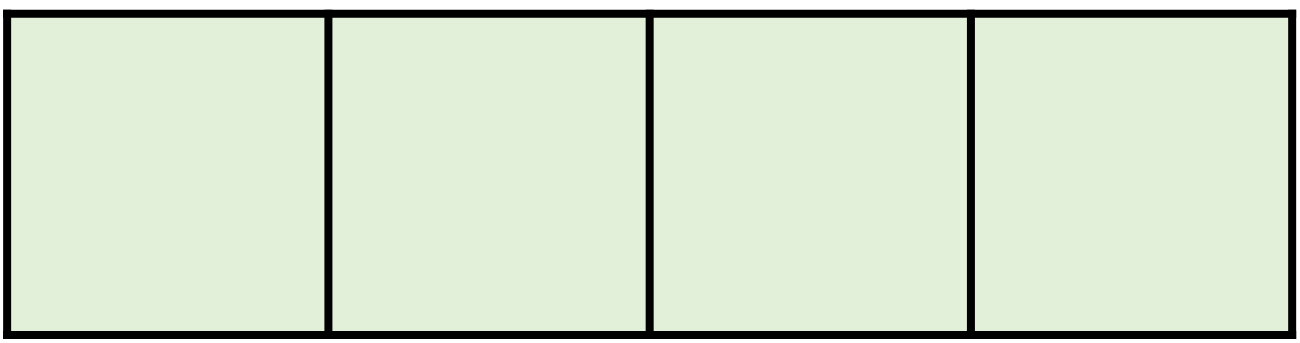
Task 4: Use **4 shapes** to make a **triangle.**

Task ZZ Resources: Combining Shapes

Teacher notes: Each child/pair needs two small triangles, one square and one large triangle.





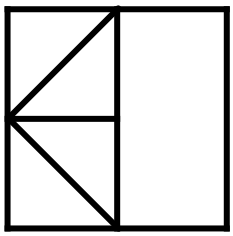


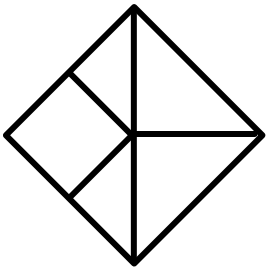
Task ZZ Extension: Combining Shapes

Teacher notes: The ***Task Build-Up*** (download from www.iseemaths.com/problem-solving-KS1) shows the answers to the task.

EXTEND

For each picture, **find all the shapes.**





EXTEND

For each picture, **find all the shapes.**