

Year 1 – Provision Activity Cards

Spring Block 1 – Addition and Subtraction

National Curriculum Objectives:

Mathematics Year 1: (1C1) [Represent and use number bonds and related subtraction facts within 20](#)

Mathematics Year 1: (1N1a) [Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number](#)

Mathematics Year 1: (1C2a) [Add and subtract one-digit and two-digit numbers to 20, including zero](#)

Mathematics Year 1: (1C2b) [Read, write and interpret mathematical statements involving addition \(+\), subtraction \(–\) and equals \(=\) signs](#)

Mathematics Year 1: (1N2c) [Read and write numbers from 1 to 20 in numerals and words](#)

Mathematics Year 1: (1C4) [Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as \$7 = \square - 9\$](#)

Mathematics Year 1: (1N4) [Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than \(fewer\), most, least](#)

Mathematics Year 2: (2N2b) [Compare and order numbers from 0 up to 100; use \$<\$, \$>\$ and \$=\$ signs](#)

More [Year 1 Addition and Subtraction](#) resources.

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Year 1 – Provision Activity Cards
Spring Block 1 – Addition and Subtraction

- [Step 1 – Add by Counting On](#)
- [Step 2 – Find & Make Number Bonds](#)
- [Step 3 – Add by Making 10](#)
- [Step 4 – Subtraction – Not Crossing 10](#)
- [Step 5 – Subtraction – Crossing 10 \(1\)](#)
- [Step 6 – Subtraction – Crossing 10 \(2\)](#)
- [Step 7 – Related Facts](#)
- [Step 8 – Compare Number Sentence](#)

More [Year 1 Addition and Subtraction](#) resources.

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Provision Activity Cards – Key to Display



Build it



Find it



Write it



Explain it



Count it



Cut it out



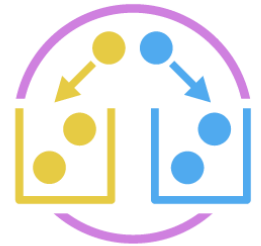
Read it



Complete it



Draw it



Sort it

Advice and ideas

Maths VF

Select a domino and count the number of spots on each side. Find the corresponding number of cubes in two different colours to show the addition. Build a tower and count on to find the total.

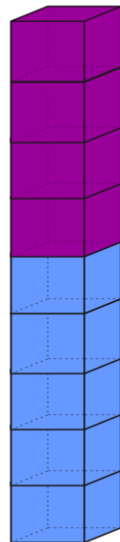
Maths RPS

Provide an envelope with two calculations inside, for example, eleven + six and six + eleven. Ask the children to solve the calculations and explain what they notice.

Maths VF

123

Use cubes to find the domino's total.



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VF

Maths RPS



What do you notice about the calculations?



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RPS

Advice and ideas

Maths VF

Children to pick a card then roll a dice. Starting with the number displayed on the card, model counting on the value shown on the dice to find a new total.

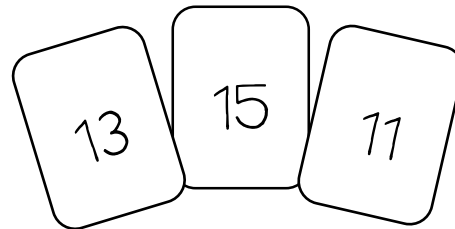
Maths RPS

Provide an envelope with two calculations inside, for example, eighteen – six and six + six. Ask the children to solve the calculations and explain what they notice.

Maths VF

123

Pick a card and roll a dice. What is the total?



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VF

Maths RPS



What do you notice about the calculations?



CLASSROOM *Secrets*

RPS

Advice and ideas

Sand

Children to draw a number line in the sand. Display a number sentence on a whiteboard or similar. Children to use the number line to show their counting on.

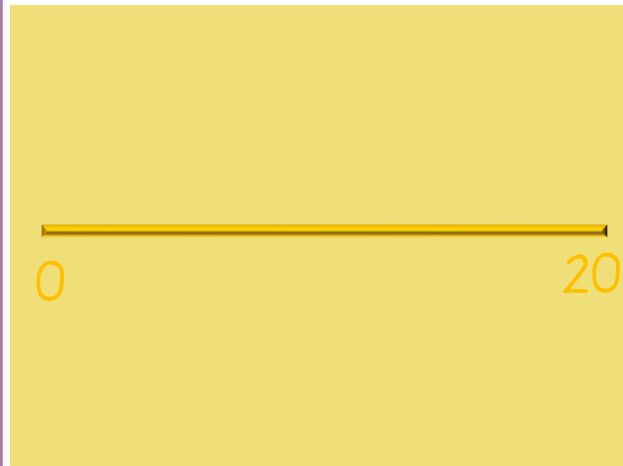
Water

Write numbers on two different types of pebbles. Model finding pebble A and then pebble B. Use the numbers to create an addition. Count on to find the total.

Sand



Write a number line in the sand to 20.

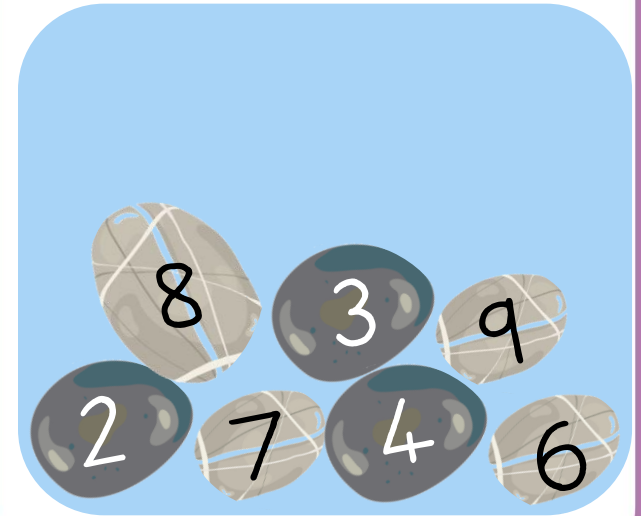


CLASSROOM *Secrets*

Water



Build a number sentence.



CLASSROOM *Secrets*

Advice and ideas

Construction/ STEM

In pairs, children roll a dice and add that number of blocks to their tower. The winner is the first child to reach exactly twenty. Model the use of language: I had five, rolled three, now I have eight.

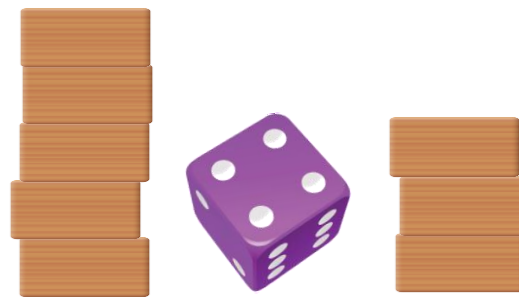
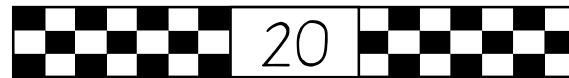
Creative

Children to create a number line to twenty that they can use in different areas around the room to assist their counting. Model different ways of producing a number line.

Construction/STEM



Have a race with a friend.



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Creative



Create a number line to 20.



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Advice and ideas

Maths VF

Set up number pieces (as displayed) to start the pattern. Children to use number pieces to systematically complete the pattern and record the number bonds.

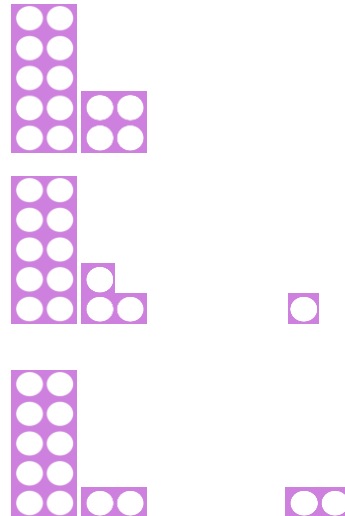
Maths RPS

Display number cards in arrangements representing bonds to ten and twenty respectively. Children to identify and discuss the pattern.

Maths VF



Follow the pattern. Record the bonds.



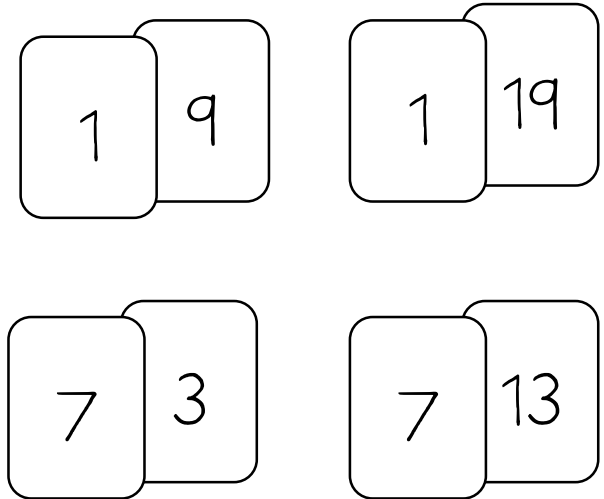
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Maths RPS



Explain the pattern.



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RPS

Advice and ideas

Maths VF

Using pegs and coat hangers, children to investigate different number bonds. Children to record the bonds that they make.

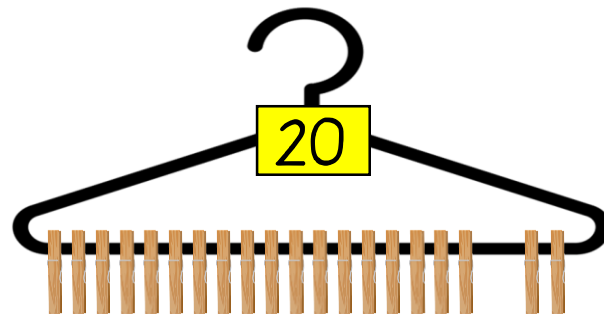
Maths RPS

Set up two hoops with addition calculations represented inside (a bond to ten and a bond to twenty). Ask the children to explain the similarities and differences between the two calculations.

Maths VF



Find and record
bonds to 20.



$$\boxed{18} + \boxed{2} = \boxed{20}$$

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VF

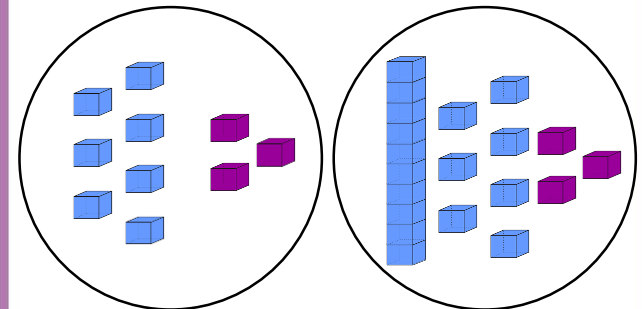
Maths RPS



What do you
notice about
these numbers?

$$7 + 3$$

$$17 + 3$$



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RPS

classroomsecrets.co.uk

Year 1 – Provision Activity Cards – Addition and Subtraction – Maths

Advice and ideas

Sand

Bury number pieces in the sand. Children to find the pieces in the sand and put them together to create bonds to ten.

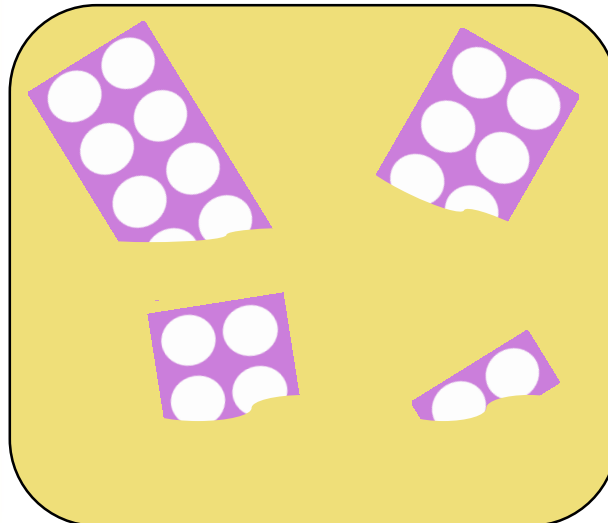
Water

Write number bonds to ten on a mixture of ping-pong and golf balls. Children to choose a ping-pong ball and then find the corresponding golf ball to complete the bond ten.

Sand



**Follow the
number bonds
to 10.**

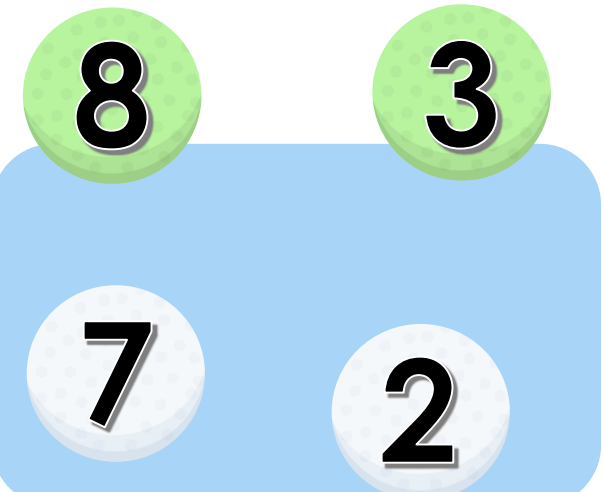


CLASSROOM *Secrets*

Water



**Find number
bonds to 10 in
the water.**



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Advice and ideas

Construction/ STEM

Children roll a dice.
Children to attempt to roll two numbers that make a bond to ten or twenty. Build a tower to show the number bond. A ten-sided dice should be used to create bonds to twenty.

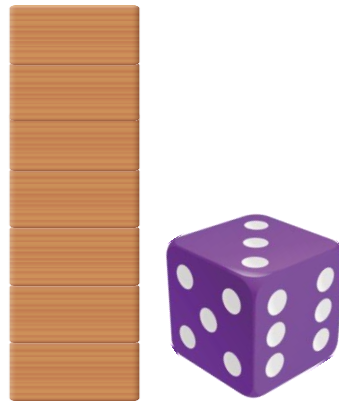
Creative

Provide some string and pasta tubes.
Children to thread ten pieces of pasta onto the string. This can be used as a number bond to ten abacus.
Children to decorate their abacus.

Construction/STEM



**Roll a dice.
Make the
number bond to
10 and 20.**



CLASSROOM *Secrets*

Creative



**Thread 10
pieces of pasta.**



CLASSROOM *Secrets*

Advice and ideas

Maths VF

Provide sets of two different coloured counters. Children choose a calculation card. Encourage children to make ten and count on the remaining counters to find the total.

Maths RPS

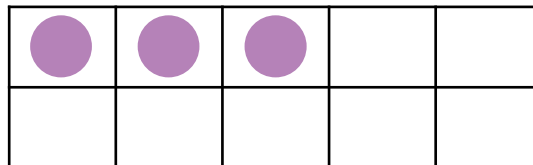
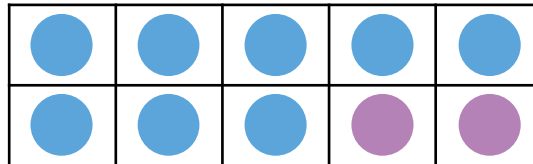
Provide ten frames and an incorrect calculation. Children to explain why the calculation is incorrect and prove it.

Maths VF

123

Use ten frames to solve the calculation.

$$8 + 5$$



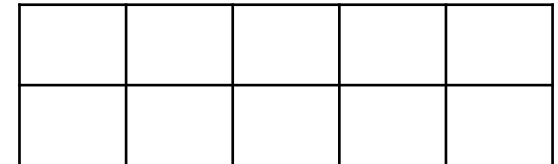
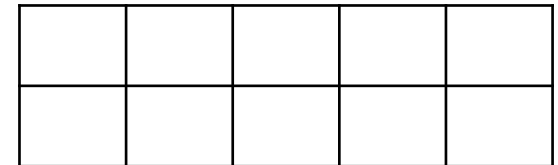
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VF

Maths RPS



Use ten frames to show why this is wrong:
 $8 + 6 = 16$



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RPS

Advice and ideas

Maths VF

Provide sets of two different coloured counters. Children choose a calculation card. Encourage children to make ten and count on the remaining counters to find the total.

Maths RPS

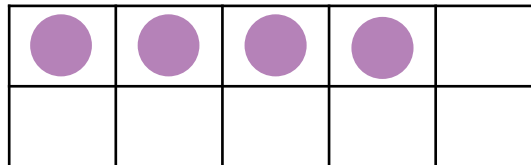
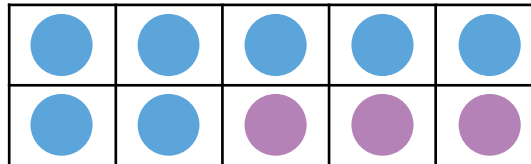
Draw a number line to twenty with the children. Write a number sentence and encourage children to use the number line to show their counting. Ask the children to explain their working.

Maths VF

123

Use ten frames to solve the calculation.

$$7 + 7$$



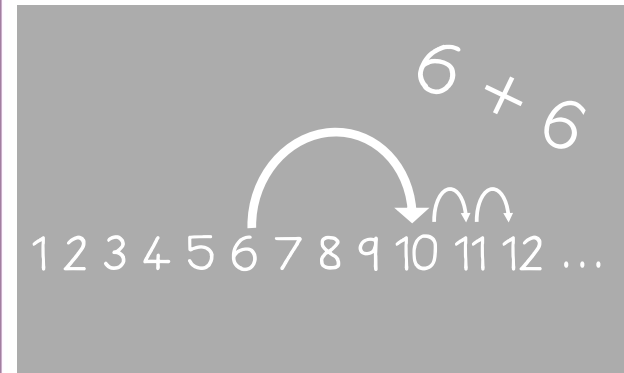
CLASSROOM Secrets

VF

Maths RPS



Use chalk to show and explain your counting.



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RPS

Advice and ideas

Sand

Write single-digit numbers on different stones/pebbles. Model finding a stone/pebble and counting on to ten. This can then be extended to counting to ten and beyond.

Water

Write numbers on the base of ducks. Children to catch the ducks and work out what needs to be added to each number to make ten. Model counting on to identify the number bond to ten.

Sand



**Find a number.
How many more
to make 10?**

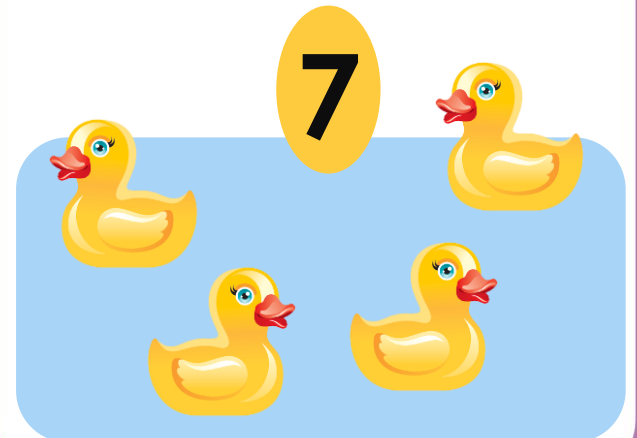


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Water



**Catch a duck.
How many more
to make 10?**



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Advice and ideas

Construction/ STEM
Children to use boxes to create two ten frames. These can then be used as a resource aid when looking at other challenges in the classroom that require the use of a ten frame.

Creative
Display a number sentence in the creative area. Children to paint a number line. Show the jump from the initial number to ten, then show the subsequent jumps.

Construction/STEM



Construct 2 ten frames.



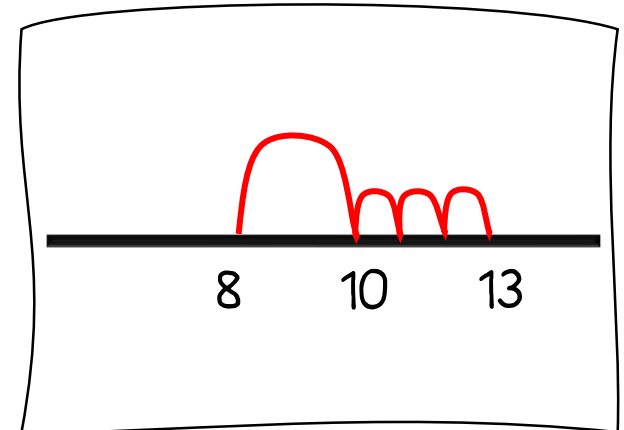
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Creative



Paint to 10 and count on.

$$8 + 5 =$$



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Advice and ideas

Maths VF

Provide a subtraction calculation card. Children to use the playdough to represent the calculation. Ensure that calculations do not cross ten.

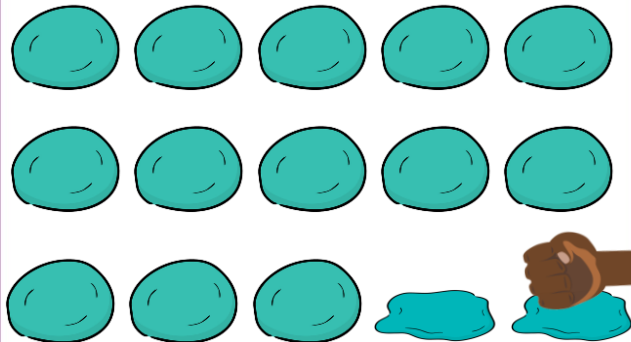
Maths RPS

Provide number cards thirteen-twenty for children to use as a starting number, to ensure no crossing of 10. Provide a choice of concrete resources to use in order to prove/disprove the statement.

Maths VF



Choose a calculation card. Represent it using the dough.



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VF

Maths RPS



Does minus 3 always gives an odd number?

3

Prove it.

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RPS

Advice and ideas

Maths VF

Provide ten counting cubes and a dice. Children to count the number of cubes and take away the score on the dice. Ask children to recite the number story. First I had, then... and now I have...

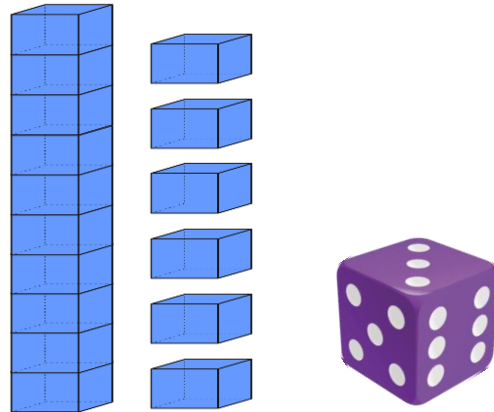
Maths RPS

Provide a number sentence frame and manipulatives. Encourage children to investigate the possible numbers that could complete the statement.

Maths VF

123

How many are left after taking away the dice score?



CLASSROOM *Secrets* VF

Maths RPS



What could the missing number be?

18	–	?	>	11
----	---	---	---	----

CLASSROOM *Secrets* RPS

Advice and ideas

Sand

Write or use sticky labels to display number sentences on different buckets. Children to build the correct number of sandcastles and knock some down to show the subtraction.

Water

Place a number of fish in the water. Children to first count the total in the water, then remove some fish to subtract. For example, nineteen fish take away three fish equals sixteen fish.

Sand



**Build
sandcastles to
show the take
away.**

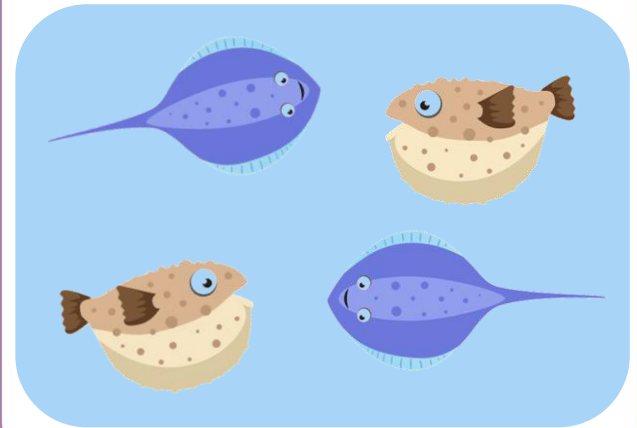


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Water



**Count all the
fish. Catch some
fish to take them
away.**



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Advice and ideas

Construction/ STEM

Provide digit cards (numbers sixteen – twenty). Children to build a tower to match their digit card. Children to then roll a dice and take away the number of cubes shown on the dice.

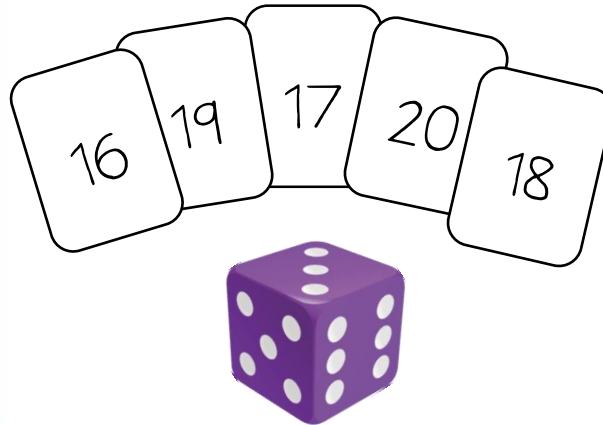
Creative

Children to build a bus with twenty passengers on. Role-play a bus route and take passengers away on reaching different stops, until there are 10 left. Model subtraction vocabulary.

Construction/STEM



**Build the tower.
Roll the dice to
take away. How
many are left?**



CLASSROOM *Secrets*

Creative



**Make a bus.
Count
passengers off at
different stops.**



CLASSROOM *Secrets*

Advice and ideas

Maths VF

Provide subtraction calculation cards. Children to select a card and use the playdough to represent the calculation. Ensure that calculations cross ten.

Maths RPS

Provide ten frames and a number of calculations. Children to use these resources to prove which calculation is correct.

Maths VF



Choose a calculation card. Represent it using the dough.



$$15 - 6$$

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VF

Maths RPS



Use ten frames to show which is correct:

$$16 - 8 = 8$$

$$16 - 8 = 10$$

$$16 - 8 = 12$$

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RPS

Advice and ideas

Maths VF

Provide counting cubes over ten and a dice. Children to count the number of cubes and take away the score on the dice. Ask children to recite the number story. First I had, then... and now I have...

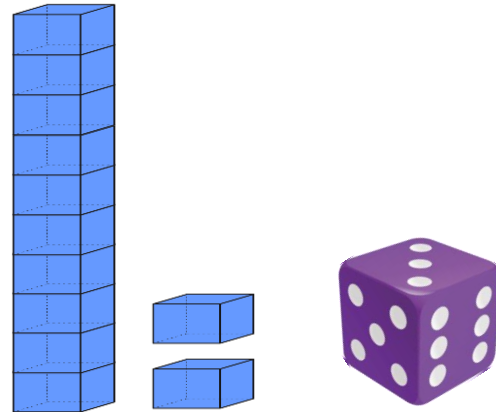
Maths RPS

Provide a number sentence frame and manipulatives. Encourage children to investigate possible numbers that could fill the gap.

Maths VF



How many are left after taking away the dice score?



CLASSROOM *Secrets*

VF

Maths RPS



What could the missing number be?

18	–	?	>	9
----	---	---	---	---

CLASSROOM *Secrets*

RPS

Advice and ideas

Sand

Write or use sticky labels to display number sentences on different buckets. Children to build the correct number of sandcastles and knock some down to show the subtraction.

Water

Place a number of fish in the water. Children to first count the total in the water, then remove some fish to subtract. For example, twelve fish take away three fish equals nine fish.

Sand



**Build
sandcastles to
show the take
away.**

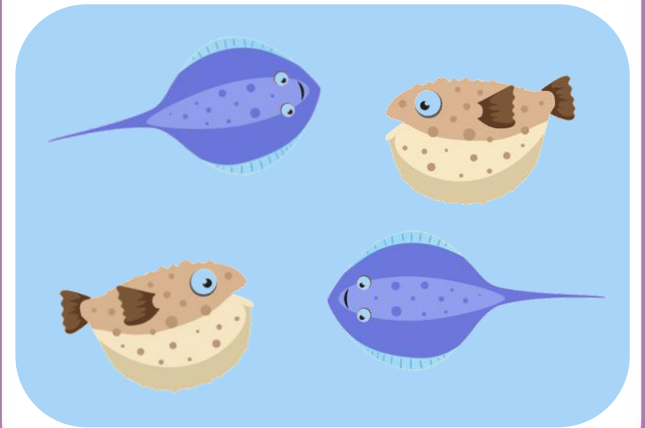


CLASSROOM *Secrets*

Water



**Count all the
fish. Catch some
fish to take them
away.**



CLASSROOM *Secrets*

Advice and ideas

Construction/ STEM

Provide digit cards (numbers eleven – fifteen). Children to build a tower to match their digit cards. Children to then roll a dice and take away the number of cubes shown on the dice.

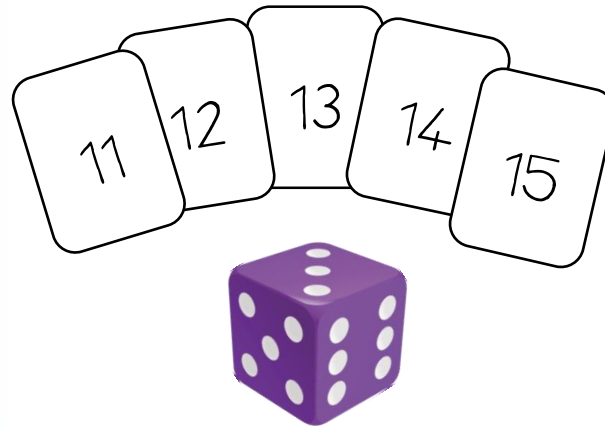
Creative

Children to build a bus with up to fifteen passengers on. Role-play a bus route and take passengers away on reaching different stops. Model subtraction vocabulary.

Construction/STEM



**Build the tower.
Roll the dice to
take away. How
many are left?**



CLASSROOM *Secrets*

Creative



**Make a bus.
Count
passengers off
at different stops.**



CLASSROOM *Secrets*

Advice and ideas

Maths VF

Place two different values in two hoops. Children to use the number pieces and any other manipulatives to find the difference between the two values.

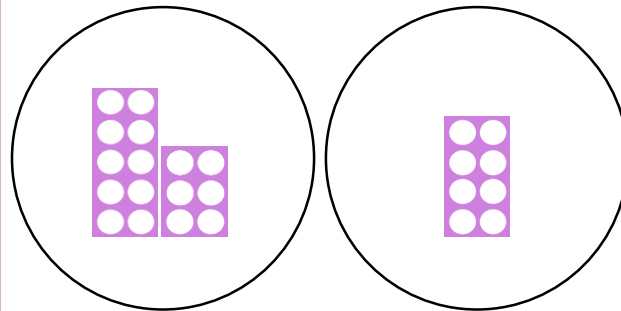
Maths RPS

Model finding the difference between two numbers, for example, fifteen and ten. Children then to find different possibilities. Encourage the children to record their learning.

Maths VF



Use number pieces to show the difference.



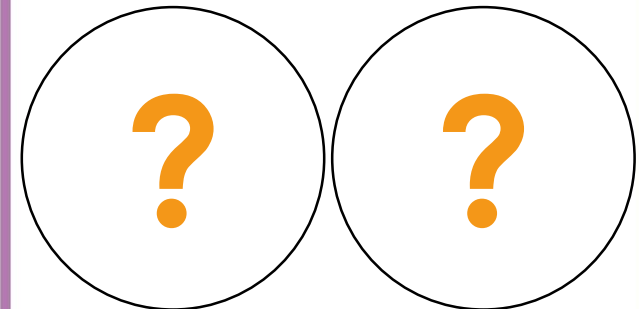
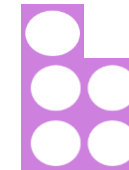
CLASSROOM *Secrets*

VF

Maths RPS



The difference is 5. What could go in the hoops?



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RPS

Advice and ideas

Maths VF

Place two different values in two hoops. Children to use the counters and any other manipulatives to find the difference between the two values.

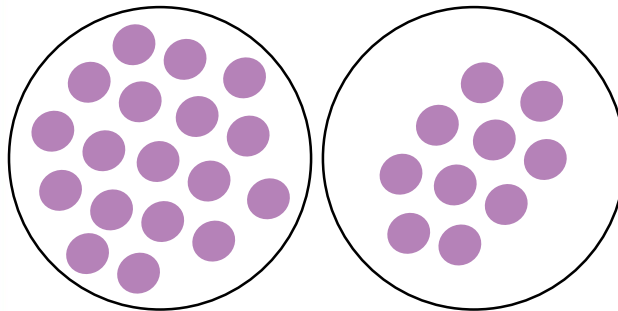
Maths RPS

Children to represent the calculation in different ways, using a range of different resources. Encourage use of subtraction vocabulary, e.g. subtract, take away, difference.

Maths VF



Use counters to show the difference.



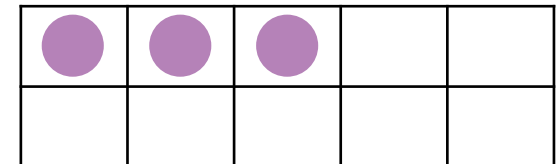
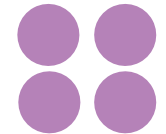
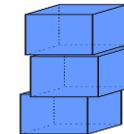
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VF

Maths RPS



How many ways can you show $15 - 6$?



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RPS

Advice and ideas

Sand

Children to count each group of different coloured flags. Model finding the difference between the two groups.

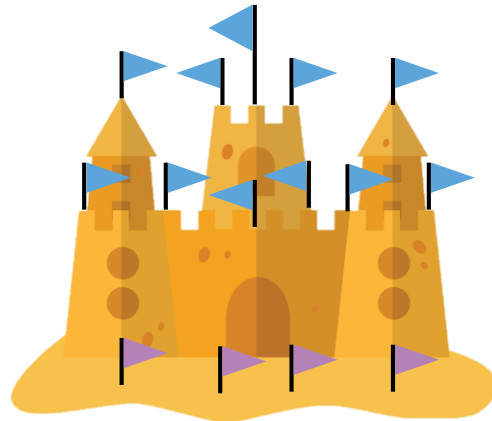
Water

In the water, place two different types of fish with values written on. Children to catch one of each fish and find the difference between the two values.

Sand



What is the difference between the flags?

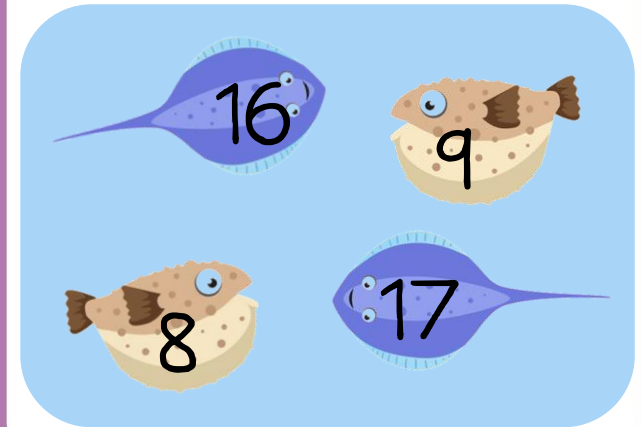


CLASSROOM *Secrets*

Water



Find the difference between two fish.



CLASSROOM *Secrets*

Advice and ideas

Construction/ STEM

In pairs, children each build a tower of twenty blocks. In turn, they roll a dice and take away the number displayed. Ask the children, who is winning? By how many? Children to find the difference.

Creative

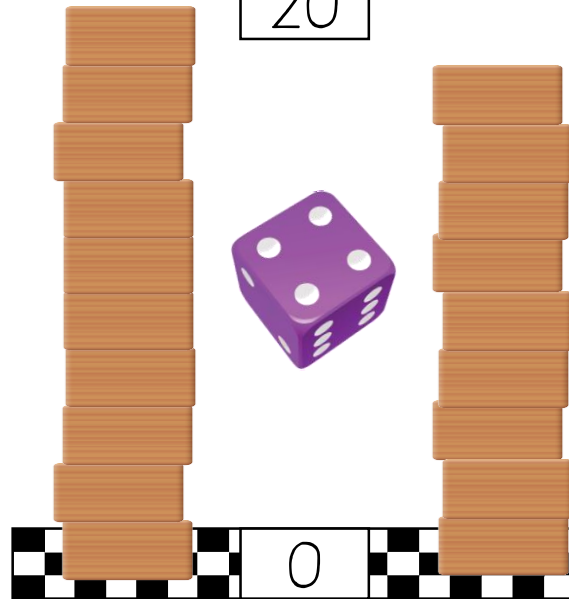
Display a calculation in the creative area. Children to draw or paint a story that illustrates the number sentence.

Construction/STEM



Have a race with a friend.

20



CLASSROOM *Secrets*

Creative



Draw a picture to show the calculation.



CLASSROOM *Secrets*

Advice and ideas

Maths VF

Provide a range of manipulatives for children to find the missing part and complete the part-whole model. Children to use the part-whole model to record the related number facts.

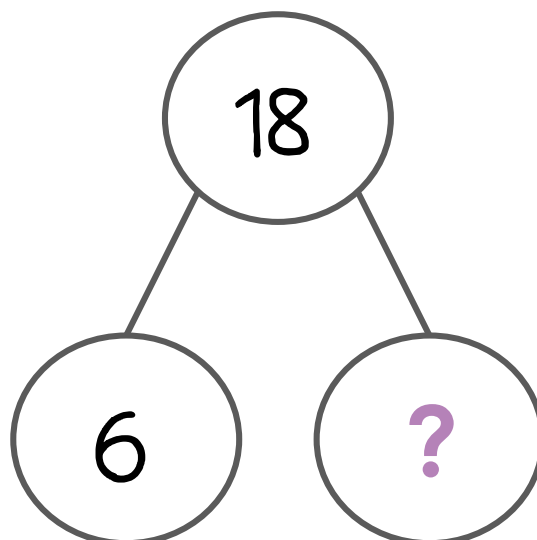
Maths RPS

Children to represent the calculation in different ways, using a range of different resources.

Maths VF



Find the missing part and write the facts.



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VF

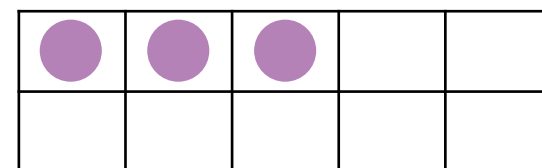
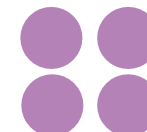
Maths RPS



Use different resources to show the related facts.



$$8 + 5$$



CLASSROOM *Secrets*

RPS

Advice and ideas

Maths VF

Show the children a bar model. Model writing the related facts. Children to then look at the displayed bar model and record the related facts.

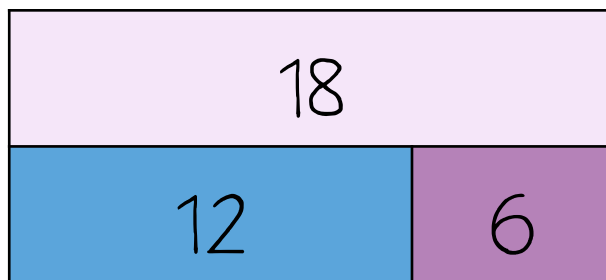
Maths RPS

Using manipulatives and working systematically, model the different ways to fill in two parts to complete the bar model. Encourage the children to record the related facts.

Maths VF



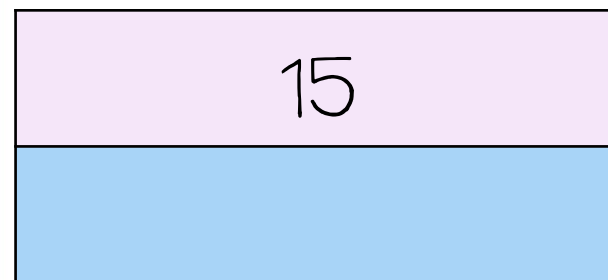
Write the related facts for the bar model.



Maths RPS



Draw and complete this bar model. Record the facts.



Advice and ideas

Sand

Write different related facts on flags. Children to match the related facts to create different fact families.

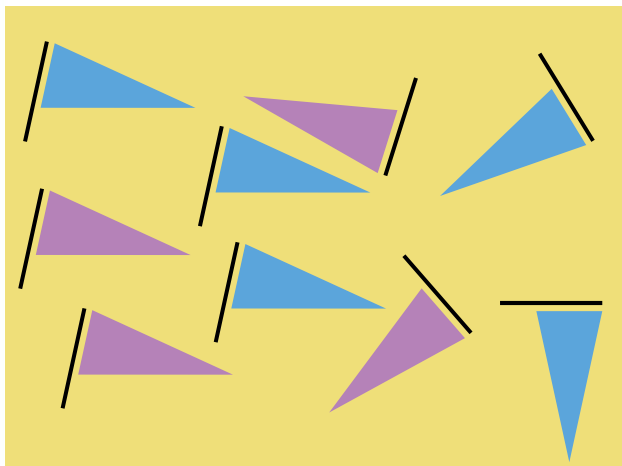
Water

Write different related number facts on different ping-pong balls. Children to match the related facts to create different fact families.

Sand



Match the related facts.

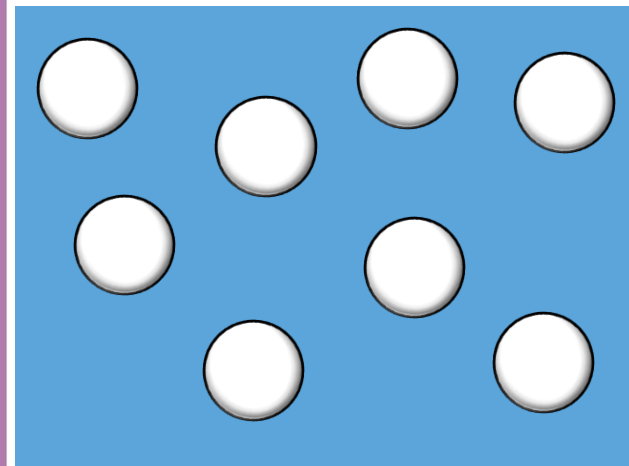


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Water



Match the related facts.



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Advice and ideas

Construction/ STEM
Children to write the different facts relating to a displayed number sentence. Children to represent the facts in different ways using manipulatives.

Creative
Children to use materials to create their own blank bar model. This could be used as an aid for other challenges. Discuss how the size of the parts would depend on the numbers used.

Construction/STEM



Use two different coloured cubes to represent the different facts.

$$8 + 5 =$$



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Creative



Build your own bar model.



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Provision Activity Cards – Addition and Subtraction – Compare Number Sentences

Advice and ideas

Maths VF

Write different digits on pegs and write comparison statements with missing numbers on lollypop sticks. Children to use the pegs to make correct statements.

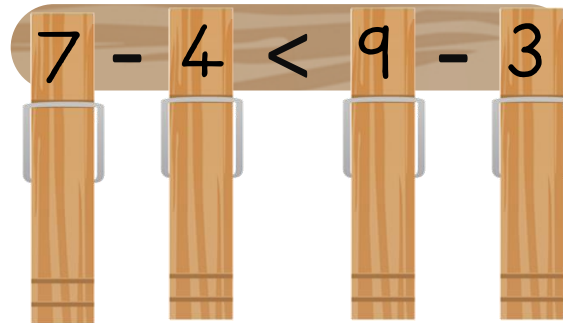
Maths RPS

Provide number pieces to make the statement true. Extend this activity further by asking the children to solve it in a different way.

Maths VF



Make a correct statement.



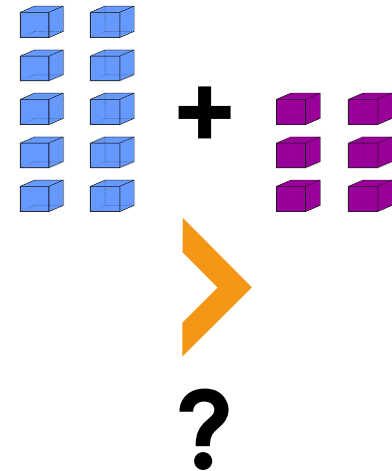
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VF

Maths RPS



How many ways can you make this true?



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RPS

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Year 1 – Provision Activity Cards – Addition and Subtraction – Maths

Provision Activity Cards – Addition and Subtraction – Compare Number Sentences

Advice and ideas

Maths VF

Provide number pieces to make the statement true. Extend this activity further by asking the children to solve it in a different way.

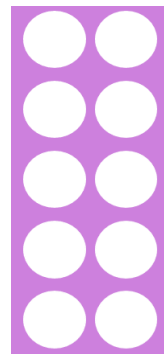
Maths RPS

Provide six number statements and three symbol cards in packs. Children to arrange the calculation and symbol cards to make correct statements.

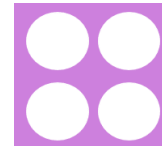
Maths VF



Make this true.



+



?

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VF

Maths RPS



**Use each card.
Make the
statements
correct.**

11 + 5

=

19 - 3

15 - 5

<

8 + 5

19 - 5

>

6 + 5

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RPS

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Year 1 – Provision Activity Cards – Addition and Subtraction – Maths

Provision Activity Cards – Addition and Subtraction – Compare Number Sentences

Advice and ideas

Sand

Write different addition and subtraction number sentences on flags. Children to place the flags that have calculations of equal value into the sandcastle.

Water

In pairs, children to catch two numbered balls each and place them into their nets. Children to create calculations and compare. For example, five + three is more than four + two.

Sand



Put flags that are equal into the sandcastle.

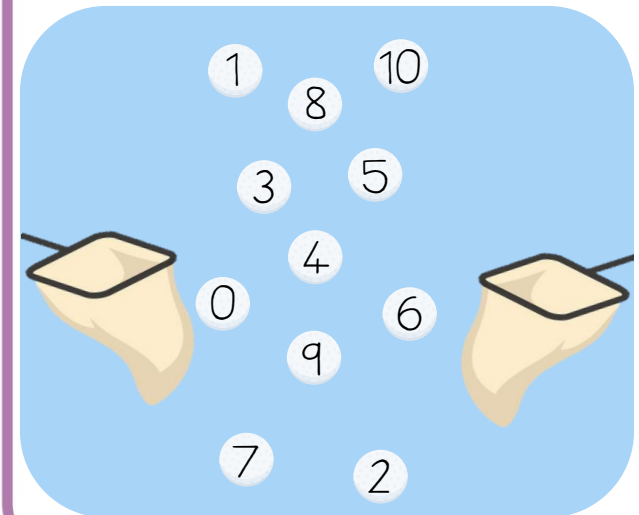


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Water



Compare the number sentences.



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Year 1 – Provision Activity Cards – Addition and Subtraction – Sand and Water

Provision Activity Cards – Addition and Subtraction – Compare Number Sentences

Advice and ideas

Construction/ STEM

Children choose two calculation cards and build towers to show each calculation. Children compare the towers they have built using comparison language.

Creative

Provide a range of materials that can be used to create an inequality symbol. Children to use this around the classroom to create comparison statements.

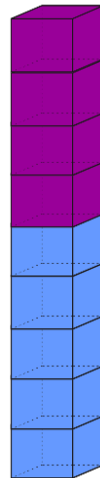
Construction/STEM



Compare two towers.

$$5 + 4$$

$$6 + 2$$

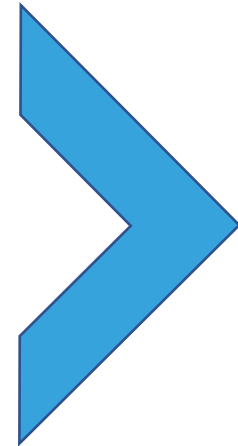


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Creative



Make an inequality symbol.



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Year 1 – Provision Activity Cards – Addition and Subtraction – Construction/STEM and Creative