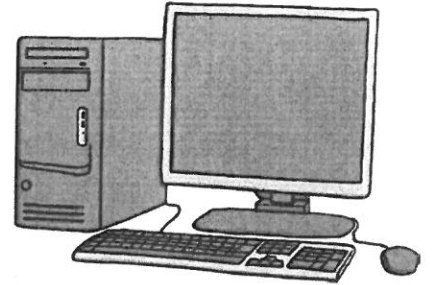


Word Problems

Use what you know about addition and subtraction to solve these problems. Don't forget to underline the important information – what numbers are you using in the calculation and do you need to add or subtract (find the difference)?

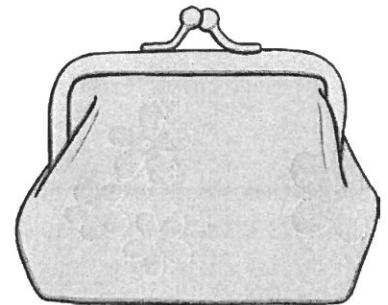
1. Joe and Sam are playing a computer game. Joe scores 45 points and Sam scores 32 points. How many points do they score altogether?



2. In the next round of the game, Joe scores 36 points and Sam scores 49 points. How many more points does Sam score than Joe?

3. In a tube of sweets, Kate finds 7 orange ones, 6 green ones and 3 yellow ones. How many sweets are there altogether?

4. Lily's mum has 28p in her purse. Lily has 11p.
How much do they have altogether?



5. How much more does Lily's mum have than Lily?

6. The children in Mrs Jones' class earned some extra minutes of playtime. Normally, they have 15 minutes. Now they have 22 minutes. How many extra minutes did they earn?

Know Your Facts

Fill in the missing numbers.

Number Bonds to 10

10	
6	4

10	
5	

10	
9	

10	
	3

10	
	8

10	
4	

Number Bonds to 20

20	
13	

20	
	10

20	
16	

20	
	3

20	
	8

20	
5	

If I Know This...

If I know that $6 + 4 = 10$, this helps me know lots of other facts too. For example:

$4 + 6 = 10$	$10 - 6 = 4$	$10 - 4 = 6$	$60 + 40 = 100$
$16 + 4 = 20$	$14 + 6 = 20$	$26 + 4 = 30$	$34 + 6 = 40$
$100 - 60 = 40$	$20 - 6 = 14$	$50 - 6 = 44$	$100 - 40 = 60$

Write down as many facts as you can to go with each of these number sentences:

$5 + 5 = 10$	$9 + 1 = 10$
$7 + 3 = 10$	$2 + 8 = 10$

Roll the Dice!

You will need a 1-6 spot die and two coloured pencils. Take it in turns with your helper to choose a two-digit number from the grid. Roll the dice and add the number on the dice to your two-digit number. If you get it right, colour in the number on the grid. The winner is the first person to colour in six squares. Use the number line to help you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

24	86	57	93	38
14	49	10	69	75
60	16	36	47	54
25	74	37	42	81
21	90	19	65	53
16	20	88	79	95

Tricky Tens

Fill in the missing numbers by counting on in tens.

4	14	24					
---	----	----	--	--	--	--	--

27	37				77		
----	----	--	--	--	----	--	--

19			49				
----	--	--	----	--	--	--	--

8							78
---	--	--	--	--	--	--	----

Can you use this knowledge to help you solve these addition and subtraction sentences?

$24 + 10 = \underline{\quad\quad\quad}$

$44 - 30 = \underline{\quad\quad\quad}$

$34 + 30 = \underline{\quad\quad\quad}$

$99 - 10 = \underline{\quad\quad\quad}$

$44 + 20 = \underline{\quad\quad\quad}$

$39 - 20 = \underline{\quad\quad\quad}$

$19 + 10 = \underline{\quad\quad\quad}$

$88 - 30 = \underline{\quad\quad\quad}$

$39 + 40 = \underline{\quad\quad\quad}$

$47 - 40 = \underline{\quad\quad\quad}$

$8 + 10 = \underline{\quad\quad\quad}$

$67 - 60 = \underline{\quad\quad\quad}$

$48 + 40 = \underline{\quad\quad\quad}$

$54 - 30 = \underline{\quad\quad\quad}$

$37 + 20 = \underline{\quad\quad\quad}$

$58 - 20 = \underline{\quad\quad\quad}$

$57 + 40 = \underline{\quad\quad\quad}$

$24 - 10 = \underline{\quad\quad\quad}$

Add and Subtract

Find the answer to these addition number sentences.

$87 + 11 = \underline{\hspace{2cm}}$

$65 + 33 = \underline{\hspace{2cm}}$

$41 + 53 = \underline{\hspace{2cm}}$

$34 + 22 = \underline{\hspace{2cm}}$

$54 + 25 = \underline{\hspace{2cm}}$

$27 + 31 = \underline{\hspace{2cm}}$

Now try these:

$65 + 26 = \underline{\hspace{2cm}}$

$48 + 48 = \underline{\hspace{2cm}}$

$76 + 28 = \underline{\hspace{2cm}}$

$39 + 28 = \underline{\hspace{2cm}}$

Add and Subtract

Find the answer to these subtraction number sentences.

$67 - 21 = \underline{\hspace{2cm}}$

$65 - 33 = \underline{\hspace{2cm}}$

$71 - 51 = \underline{\hspace{2cm}}$

$89 - 57 = \underline{\hspace{2cm}}$

$84 - 23 = \underline{\hspace{2cm}}$

$37 - 31 = \underline{\hspace{2cm}}$

$65 - 24 = \underline{\hspace{2cm}}$

$48 - 38 = \underline{\hspace{2cm}}$

$96 - 75 = \underline{\hspace{2cm}}$

$39 - 21 = \underline{\hspace{2cm}}$

Missing Numbers

Write in the missing numbers to make the number sentences correct. Think about the number bonds that make 10 and 20.

• $6 + 7 + \square = 20$

• $5 + 9 + \square = 20$

• $3 + 8 + \square = 20$

• $4 + 5 + \square = 20$

• $9 + 1 + \square = 20$

• $6 + 5 + \square = 20$

• $3 + 9 + \square = 20$

• $7 + 5 + \square = 20$

• $9 + 9 + \square = 20$

• $8 + 8 + \square = 20$

• $9 + 8 + \square = 20$

• $7 + 8 + \square = 20$

• $7 + 9 + \square = 20$

Right or Wrong?

Are these statements right or wrong? Put a tick in the box if the statements are correct and a cross if they are incorrect.

$2 + 12$ is the same as $12 + 2$ ☐

$34 + 46$ is the same as $46 + 34$ ☐

$16 - 5$ is the same as $5 - 16$ ☐

$26 - 12$ is the same as $12 - 26$ ☐

Now try this:

Can you choose the correct number sentence to go with each of these word problems?

James finds 12 red bricks and 16 blue bricks in his toy box. How many bricks does he have altogether?

$12 + 16$ ☐

$12 - 16$ ☐

$16 - 12$ ☐

Sarah spent 46p in the shop yesterday. Today, she spent 33p. How much more did she spend yesterday than today?

$46 - 33$ ☐

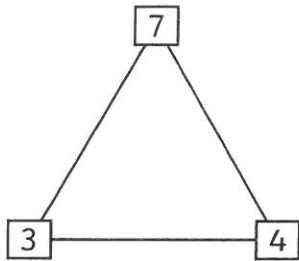
$33 - 46$ ☐

$33 + 46$ ☐

Challenge: Now, calculate the answers to these problems!

Know Your Numbers!

Use the number triangles to make four number sentences.

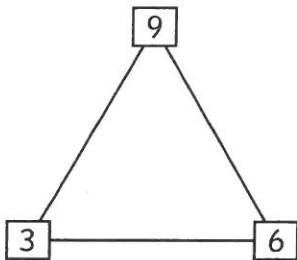


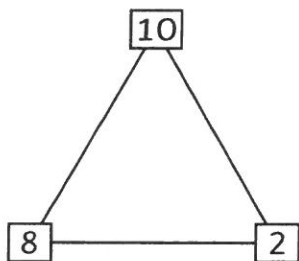
$$3 + 4 = 7$$

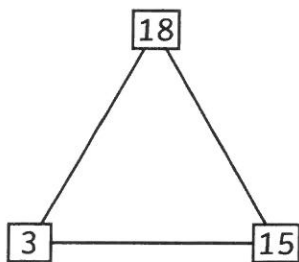
$$4 + 3 = 7$$

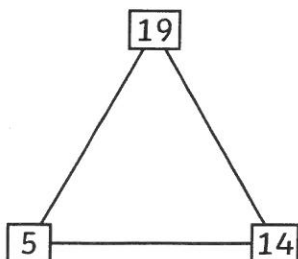
$$7 - 3 = 4$$

$$7 - 4 = 3$$









Fill the Gaps

Fill in the missing numbers in these calculations.

$6 + \square = 12$

$5 + \square = 14$

$9 + \square = 13$

$4 + \square = 10$

$8 + \square = 16$

$\square + 6 = 11$

$\square + 7 = 14$

$\square + 5 = 9$

$\square + 9 = 16$

$\square + 10 = 15$

$15 - \square = 8$

$18 - \square = 11$

$13 - \square = 7$

$11 - \square = 3$

$14 - \square = 8$

$\square - 6 = 9$

$\square - 5 = 6$

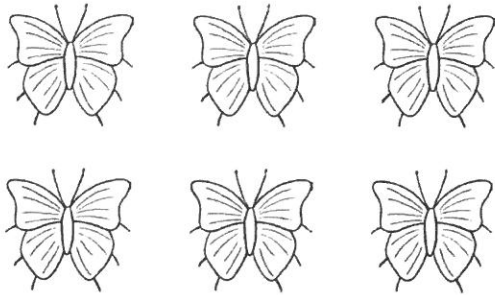
$\square - 7 = 9$

$\square - 4 = 8$

$\square - 9 = 10$

Fraction Challenges

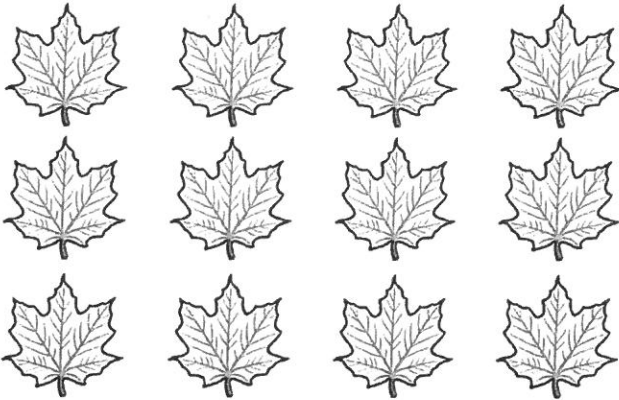
Colour $\frac{1}{2}$ of the butterflies



Colour $\frac{1}{4}$ of the stars



Colour $\frac{3}{4}$ of the leaves



Colour $\frac{2}{4}$ of the umbrellas



Can you solve these problems?

Priya's pencil is 12cm long. Daniel's pencil is half the length of Priya's. How long is Daniel's pencil?

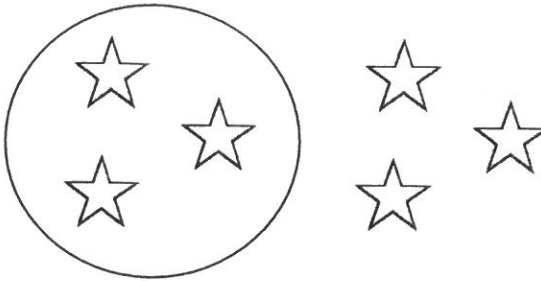
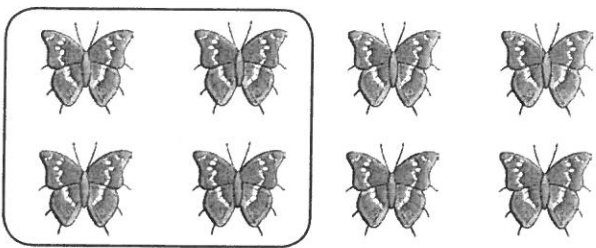
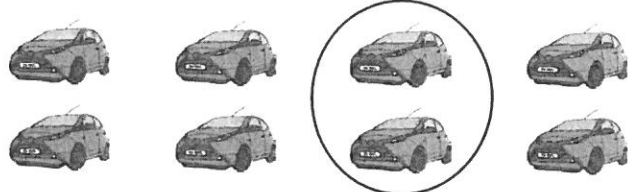
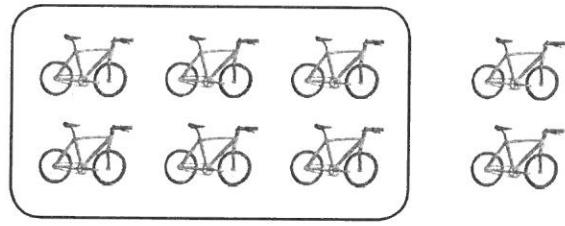
Lucy has 12 sweets. She eats one quarter of them. How many does she have left?

It takes dad 4 minutes to tie his shoelaces. It takes Sam $\frac{3}{4}$ of that time. How long does it take Sam?

Half the children in Red Class go out to play. There are 10 children left in the classroom. How many children are in Red Class?

Find the Fraction

Write a fraction sentence for each picture. The first one has been done for you.

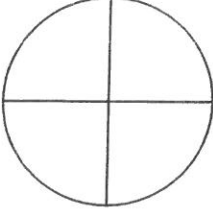
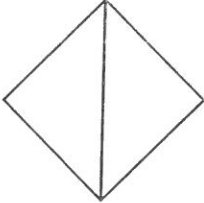
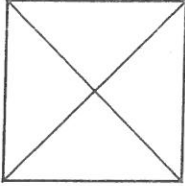
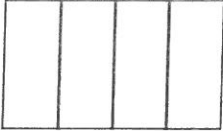
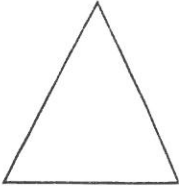
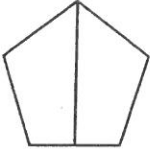
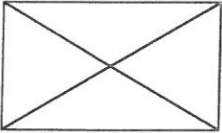
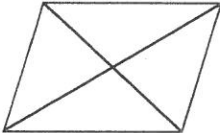
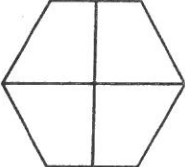
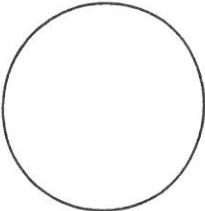
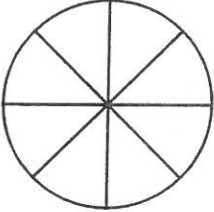
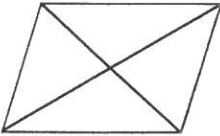
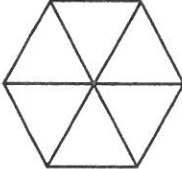
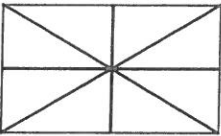
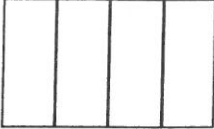
 <p>$\frac{1}{2}$ of 6 = 3</p>	
	

Now draw pictures to go with these fraction sentences.

<p>$\frac{1}{2}$ of 10 is 5</p>	<p>$\frac{1}{4}$ of 12 is 3</p>
<p>$\frac{2}{4}$ of 4 is 2</p>	<p>$\frac{3}{4}$ of 12 is 9</p>

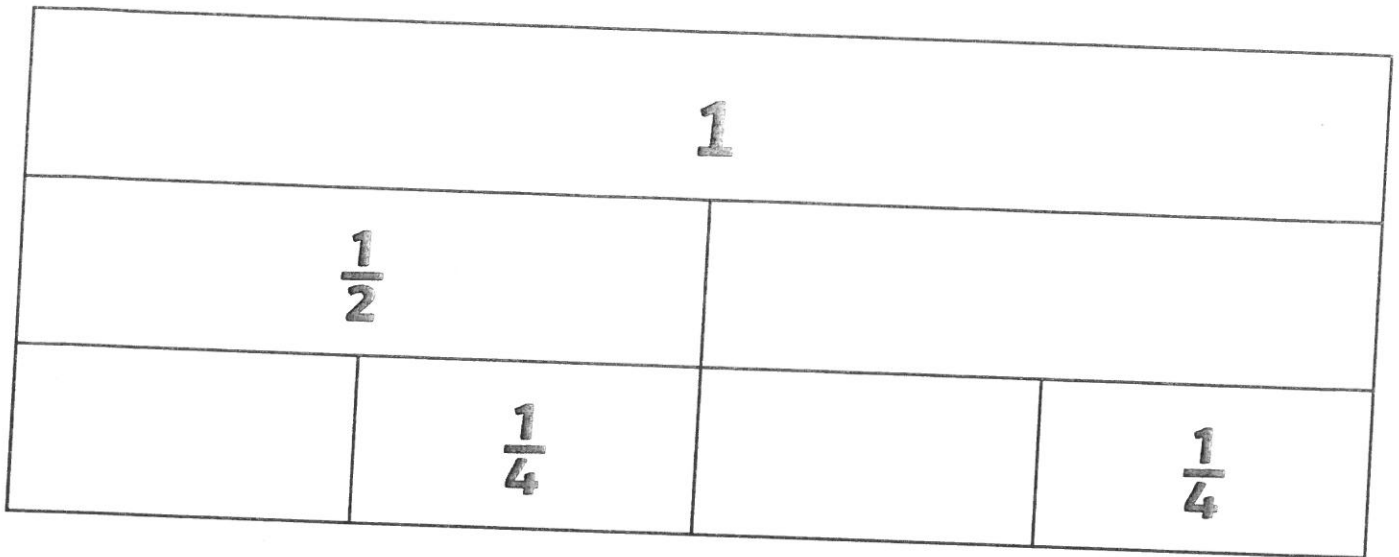
Fractions of Shapes

Shade the fractions of these shapes:

				
$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{1}$
				
a half	one quarter	two quarters	three quarters	a whole
				
$\frac{3}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	two halves	four quarters

Fraction Wall

Complete the fraction wall.



Now complete these fraction sentences using your fraction wall.

$$\frac{1}{2} = \frac{\quad}{4}$$

$$\frac{1}{2} = \frac{2}{\quad}$$

$$1 = \frac{\quad}{2}$$

$$1 = \frac{4}{\quad}$$

$$1 = \frac{\quad}{4}$$