

Year 4

Home
Learning
Pack

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

+	8	9	6
7			
9			
6			
10			
8			
5			

+	356	249	401
1			
10			
100			

-	356	249	401
1			
10			
100			

My Score	
---------------------	--

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

+	9	8	10
3			
5			
6			
7			
10			
9			

+	698	789	349
1			
10			
100			

-	698	789	349
1			
10			
100			

My Score	
---------------------	--

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

+	9	8	7
5			
10			
7			
6			
8			
9			

+	369	899	749
1			
10			
100			

-	369	899	749
1			
10			
100			

My Score	
---------------------	--

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

+	6	8	5	10
9				
6				
7				
8				
5				
10				

+	100	379	500
1			
10			
100			

-	601	379	500
1			
10			
100			

My Score	
---------------------	--

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

+	6	9	8
7			
9			
10			
6			
5			
8			

+	309	548	701
1			
10			
100			

-	309	548	701
1			
10			
100			

My Score	
---------------------	--

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

+	6	6	8	9
6				
5				
9				
8				
10				
7				

+	1	10	100	359	241	899
1						
10						
100						

-	1	10	100	359	241	899
1						
10						
100						

My Score	
---------------------	--

Daily - 180 Challenge

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

+	9	8	6
10			
5			
8			
6			
9			
7			

+	349	101	199
1			
10			
100			

-	349	101	199
1			
10			
100			

My Score	
---------------------	--

Daily - 180 Challenge

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

+	7	5	9
9			
10			
8			
7			
6			
5			

+	121	279	599
1			
10			
100			

-	121	279	599
1			
10			
100			

My Score	
---------------------	--

Daily - 180 Challenge

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

+	6	9	7
6			
9			
10			
7			
5			
8			

+	599	687	390
1			
10			
100			

-	599	687	390
1			
10			
100			

MY Score	
---------------------	--

Daily – 180 Challenge

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

+	6	5	3
6			
9			
8			
5			
7			
10			

+	409	597	356
1			
10			
100			

-	409	597	356
1			
10			
100			

MY Score	
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Changing Tense

Change these sentences to **past tense**:

1. There **are** two birds on the fence.
Yesterday there _____ two birds on the fence.
2. **I am bringing** some orange juice to the party.
I _____ some orange juice to the party.
3. Tomorrow, Billy **is going** to see the dentist.
Yesterday, Billy _____ to see the dentist.
4. Sarah **jumps** over the fence.
An hour ago, Sarah _____ over the fence.
5. Mohammed **is catching** an aeroplane to Spain.
Last year, Mohammed _____ an aeroplane to Spain.
6. My sister **likes** her ice cream.
My sister _____ ice cream.
7. There **is** a cat in the garden sitting on the path.
There _____ a cat in the garden sitting on the path.
8. Tomorrow, I **am going to eat** really healthily.
Yesterday, I _____ really healthily.

Changing Tense

Change these sentences to **present tense**:

1. The lion **will roar** fiercely.

The lion _____ fiercely.

2. Yesterday, I **went** to the supermarket.

Today, I _____ to the supermarket.

3. The owl **swooped** down from the tree tops.

The owl _____ down from the tree tops.

4. Tomorrow, the sun **will rise**.

Today, the sun _____.

5. There **was** a huge bear that **lived** in the cave.

There _____ a huge bear that _____ in the cave.

6. I **couldn't** wait to go to the park.

I _____ wait to go to the park.

7. The monkey **will swing** through the jungle.

The monkey _____ through the jungle.

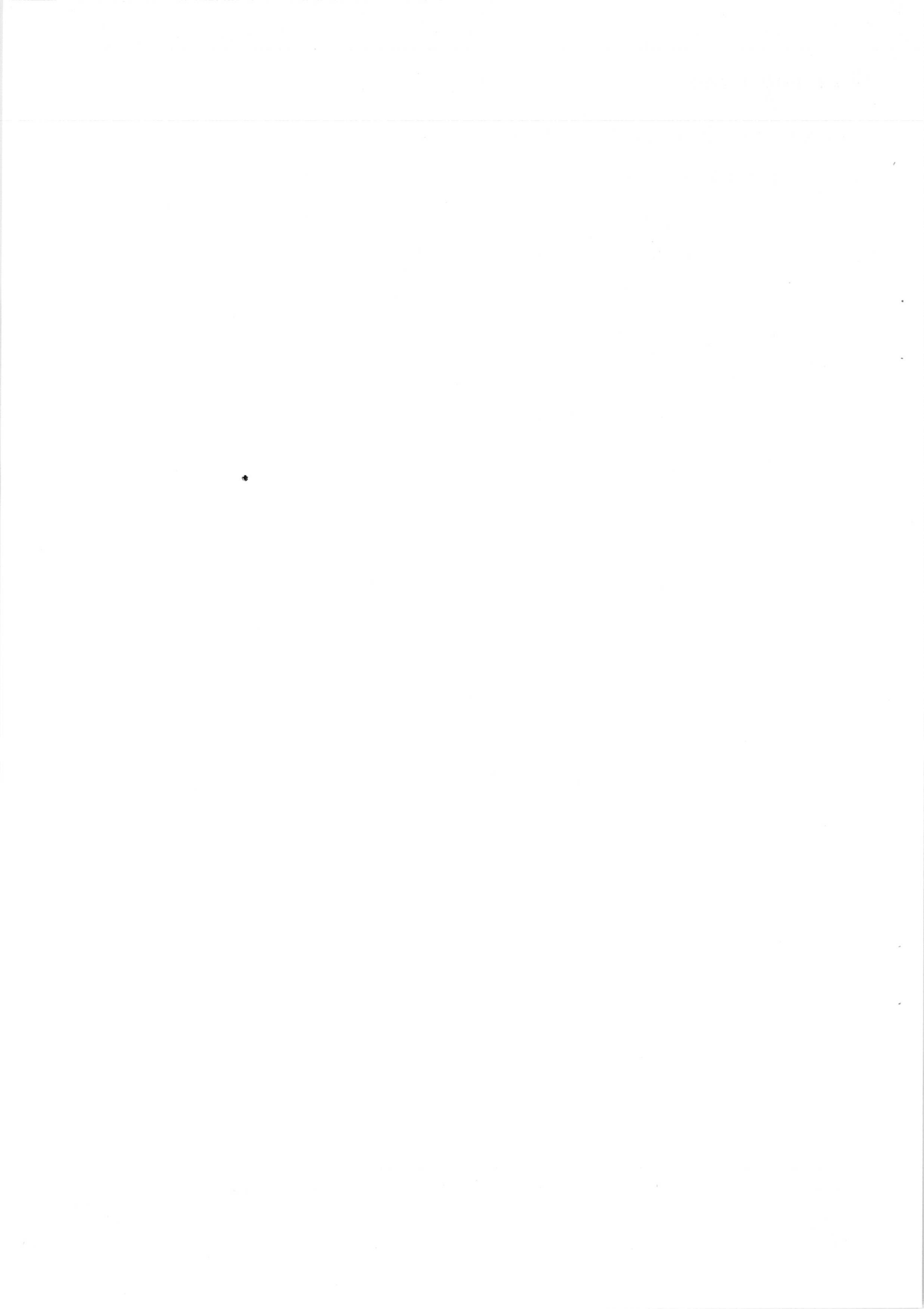
8. A week ago, I **went** on a holiday.

Right now, I'm _____ on a holiday.

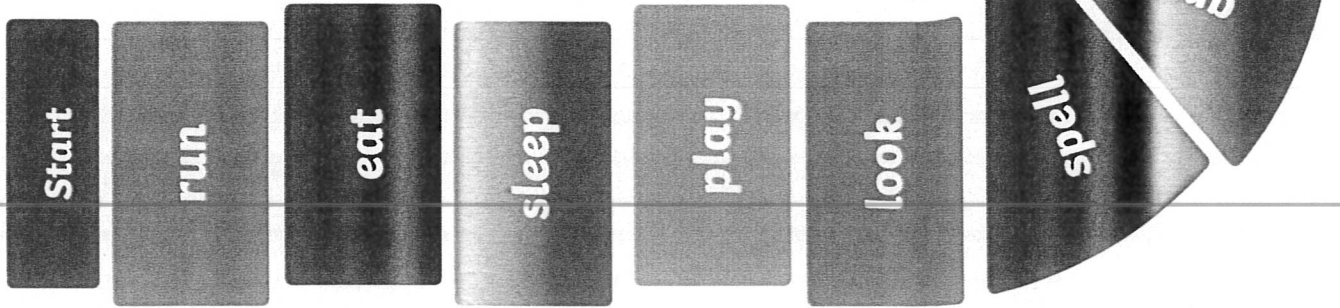
Changing Tense

Change these sentences to **future** tense:

1. The wolf **howled** at the moon.
The wolf _____ at the moon.
2. Today, I **am doing** all of my homework.
Today, I _____ all of my homework.
3. Yesterday, I **carried** all of the shopping home.
Tomorrow, I _____ all of the shopping home.
4. **I have been** to the cinema.
I _____ to the cinema.
5. The brave man **is saving** her life.
The brave man _____ her life.
6. Peter **ran** all the way to school.
Peter _____ all the way to school.
7. Last year, **I travelled** half way around the world.
Next year, I _____ half way around the world.
8. My brother **is growing** taller than my dad!
My brother _____ taller than my dad!



Time Travelling Verbs!



All the verbs on the board have been written in the present tense. Can you make them travel in time to be in the past tense?

Roll the dice to see how many spaces you can move. Read out the word you land on and then say the word in the past tense. If you get the answer wrong, move back to where you were before you rolled.

Race to the finish and see how many words you can get right!

IDENTIFYING WORD CLASSES



Read the paragraphs carefully. In the table below, copy a word that matches the word class.

EXERCISE 1

Her sister, Miss Watson, a woman who had never married and who had no children of her own, came to live with her. She hopefully thought that she could change me and make me a better person by educating me and teaching me to spell. She worked with me for an hour until the widow made her stop.

NOUN	VERB	ADJECTIVE
ADVERB	CONJUNCTION	PRONOUN

EXERCISE 2

I sat down again feeling very frightened. The house was very quiet. Everyone was asleep. Far away I heard a clock go boom—boom—boom— 12 times—midnight. Then all was quiet again. Soon I heard a quiet “Meyow! Meyow!” outside my window so I answered, “Meyow! Meyow!” as quietly as I could.

NOUN	VERB	ADJECTIVE
ADVERB	CONJUNCTION	PRONOUN

EXERCISE 3

COMMON NOUN	PROPER NOUN	CONJUNCTION
ADVERB	ARTICLE	DETERMINER

Tom loved jokes and he loved danger. He walked silently into the kitchen and took three candles. He left five cents on the table to pay for them. Then he walked quietly to Jim and took Jim's hat off his head and hung it on a tree nearby. Jim moved a little but he didn't wake up.

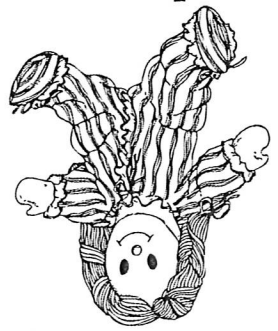
EXERCISE 4

Match the word classes in the box to the numbers shown in the paragraph.



Determiner 6	Pronoun	Adjective
Adverbial phrase	Article	Proper noun

In an old leather bag, Marcy found a number of tin-types of strange looking men and women in old-fashioned clothes. There was one picture of a very pretty little girl with long curls tied tightly back from her forehead and wearing a long dress and baggy trousers which reached to her shoe-tops. Then out of the heap she pulled an old rag doll with only one shoe-button eye, a painted nose and a smiling mouth. Marcy suddenly felt very excited.



- 1 → _____
- 2 → _____
- 3 → _____
- 4 → _____
- 5 → _____
- 6 → _____

Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 161 and 169:
6, 1, 7

--	--	--

H T O

4. Between 134 and 189:
5, 4, 1

--	--	--

H T O

7. Between 986 and 1000:
8, 8, 9

--	--	--

H T O

2. Between 295 and 311:
9, 2, 9

--	--	--

H T O

5. Between 576 and 601:
9, 5, 7

--	--	--

H T O

8. Between 784 and 876:
8, 4, 7

--	--	--

H T O

3. Between 392 and 397:
5, 3, 9

--	--	--

H T O

6. Between 784 and 812:
8, 5, 7

--	--	--

H T O

9. Between 578 and 811:
8, 6, 7

--	--	--

H T O

Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 161 and 182:

6, 1, 7

--	--	--

H T O

4. Between 352 and 401:

2, 6, 3

--	--	--

H T O

7. Between 2850 and 2870:

9, 5, 2, 8

--	--	--	--

TH H T O

2. Between 295 and 311:

9, 2, 8

--	--	--

H T O

5. Between 573 and 601:

6, 5, 7

--	--	--

H T O

8. Between 1900 and 1930:

2, 1, 8, 9

--	--	--	--

TH H T O

3. Between 373 and 397:

8, 3, 9

--	--	--

H T O

6. Between 784 and 811:

8, 9, 7

--	--	--

H T O

9. Between 1000 and 1050:

0, 1, 2, 4

--	--	--	--

TH H T O

Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 1234 and 2000:
2, 1, 8, 9

--	--	--	--

TH H T O

4. Between 2300 and 2456:
3, 1, 8, 2

--	--	--	--

TH H T O

7. Between 5600 and 5700:
6, 4, 5, 9

--	--	--	--

TH H T O

2. Between 1306 and 1345:
0, 1, 4, 3

--	--	--	--

TH H T O

5. Between 3000 and 3500:
2, 9, 3, 4

--	--	--	--

TH H T O

8. Between 5426 and 9843:
2, 6, 8, 9

--	--	--	--

TH H T O

3. Between 1278 and 1299:
2, 1, 8, 6

--	--	--	--

TH H T O

6. Between 8764 and 9000:
2, 1, 8, 8

--	--	--	--

TH H T O

9. Between 1234 and 1239:
2, 1, 3, 8

--	--	--	--

TH H T O

Punctuation

Read the following definitions before punctuating the sentences.

Full Stop

Marks the end of a complete sentence or statement, e.g. Ben really likes chocolate cake.

Question Mark

Used at the end of a direct question, e.g. What is your favourite colour?

Exclamation Mark

Indicates surprise, emphasis, strong emotion and sometimes disbelief, e.g. That's terrible!

Comma

Separates units of meaning in a sentence, e.g. I love playing basketball, tennis and badminton.

Semi-colon

Separates two main clauses that are closely related to each other, but could stand on their own as sentences, e.g. Heather likes oranges; James likes pears.

Punctuation

Colon

Comes after a complete sentence to introduce a list, quote or definition, *e.g. You should bring three things: flour, sugar and water.*

Dash

Separates elements within a sentence and indicates emphasis, interruption, or an abrupt change of thought. Can act as brackets or be used in place of the word 'to', *e.g. Could you please try - try your very hardest - to ignore him.*

Ellipsis

Indicates that one or more words are missing, *e.g. Indicates... words are missing.*

Brackets/Parentheses

Enclose additional related information, *e.g. I left you some cake (it's in the fridge.)*

Apostrophe

Indicates possession, or that letters have been left out, *e.g. That's Jerry's book.*

Quotation/Inverted Commas

Indicates quotes, direct speech and slang or foreign phrases, *e.g. "I'm sorry, I simply don't remember," she said.*

Punctuation

Punctuate the following sentences:

1. where have you been all day
2. ill need two things a tent and a sleeping bag
3. i dont believe it
4. youre my friend my very best friend
5. how awful
6. please could you fetch me three apples two pears a peach and a carton of orange juice
7. if you dont stop that immediately im going to
8. dont do that actually never mind
9. move along theres nothing to see the police officer said
10. thomas has five hundred pounds £500
11. come back thats benjamins bike she yelled
12. shenika cant stand fruit cake benny will eat it

Punctuation

Complete this passage by adding commas where appropriate:

Tommy woke up early on the morning of the school trip packed his bag twice as quickly as usual and ate breakfast really fast. He ran all the way to school almost bumping into his best friend as he reached the school gates. He had never been to the zoo before and Mr Thompson had promised that there would be hippos tigers snakes and more! Tommy's biggest wish was to see a lion though. He knew lions had huge teeth big claws and a loud roar but he wanted to see it for himself.

Complete this passage by adding apostrophes where appropriate:

The tigers roar was so loud it could be heard all through the jungle. "Do you think its coming this way?" Timmy whispered to his sister.

"I dont think so," she said uncertainly. Timmys heart was pounding in his chest as they crept carefully through the bushes. Then, out of nowhere, two tigers appeared! The tigers teeth looked sharp, their claws deadly.

"Run!" shouted Timmy.

Verb Sorting Activity

When did it happen? Cut out the verbs on the other pages. Match the pairs of past and present tense of each verb on this page.

Past

Present

spoke

kick

gave

sing

hug

walk

ate

kissed

jump

go

growl

yelled

slept

smell

give

buy

looked

sang

grabbed

got

jumped

kicked

kiss

speak

hugged

walked

sleep

went

grab

eat

growled

look

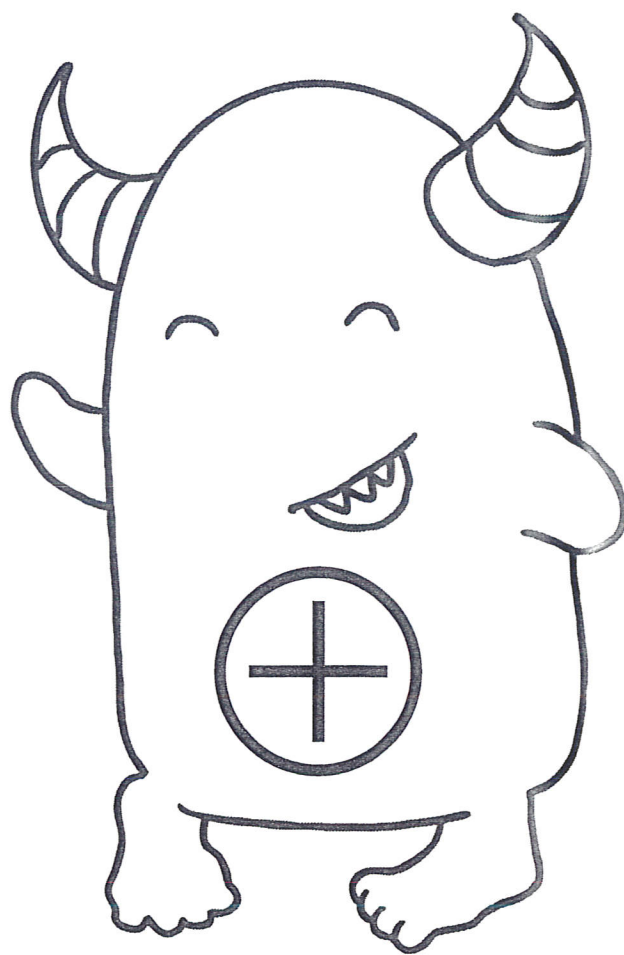
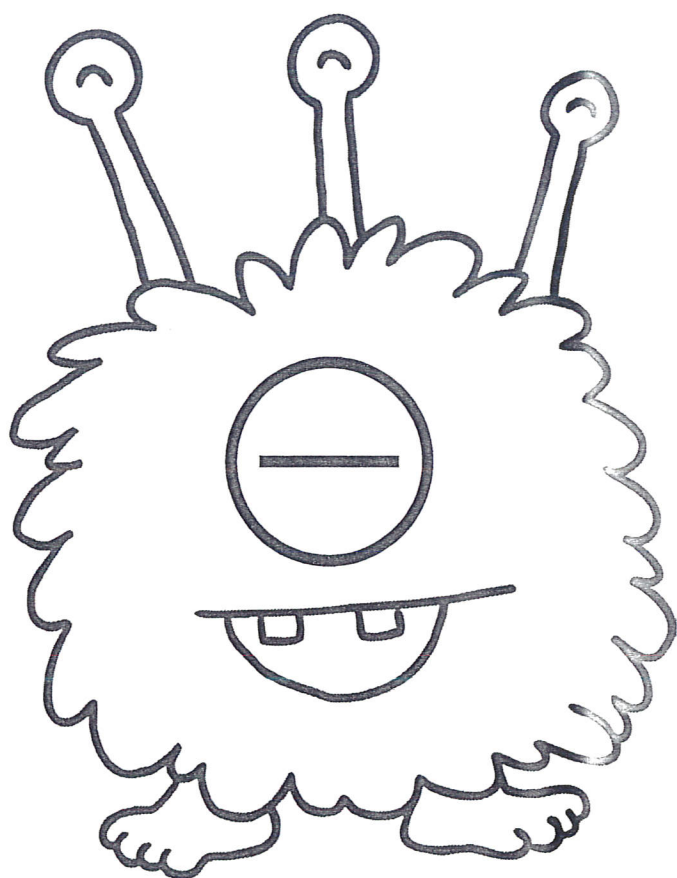
bought

smelled

yell

get

Addition and Subtraction Workbook



Adding Ones to a 3-Digit Number

Calculate the answers to the following:

1. $136 + 3 =$ _____
2. $212 + 4 =$ _____
3. $381 + 6 =$ _____
4. $494 + 5 =$ _____
5. $533 + 4 =$ _____
6. $620 + 7 =$ _____
7. $725 + 4 =$ _____
8. $952 + 7 =$ _____
9. $165 + 8 =$ _____
10. $224 + 7 =$ _____
11. $388 + 6 =$ _____
12. $478 + 5 =$ _____
13. $529 + 4 =$ _____
14. $645 + 9 =$ _____
15. $713 + 8 =$ _____
16. $995 + 6 =$ _____
17. $165 + 7 =$ _____
18. $252 + 6 =$ _____
19. $395 + 9 =$ _____
20. $478 + 1 =$ _____
21. $546 + 7 =$ _____
22. $659 + 3 =$ _____
23. $765 + 3 =$ _____
24. $971 + 8 =$ _____

Challenge

Explain how you would use $7 + 8 = 15$ to calculate $537 + 8$.

Subtracting Ones from a 3-Digit Number

Calculate the answers to the following:

1. $166 - 3 =$ _____
2. $295 - 4 =$ _____
3. $307 - 5 =$ _____
4. $489 - 7 =$ _____
5. $578 - 4 =$ _____
6. $636 - 2 =$ _____
7. $794 - 3 =$ _____
8. $959 - 8 =$ _____
9. $145 - 8 =$ _____
10. $213 - 7 =$ _____
11. $383 - 5 =$ _____
12. $491 - 4 =$ _____
13. $571 - 5 =$ _____
14. $678 - 9 =$ _____
15. $722 - 6 =$ _____
16. $982 - 4 =$ _____
17. $122 - 6 =$ _____
18. $279 -$ _____ $= 271$
19. _____ $+ = 329$
20. $459 - 3 =$ _____
21. $566 +$ _____ $= 557$
22. $659 - 4 =$ _____
23. $779 - 5 =$ _____
24. _____ $+ 8 = 944$

Challenge

Explain how you would use $14 - 8 = 6$ to calculate $384 - 8$.

Adding Tens to a 3-Digit Number

Calculate the answers to the following:

1. $153 + 30 =$ _____
2. $272 + 20 =$ _____
3. $301 + 60 =$ _____
4. $413 + 70 =$ _____
5. $523 + 40 =$ _____
6. $630 + 20 =$ _____
7. $737 + 50 =$ _____
8. $939 + 60 =$ _____
9. $142 + 80 =$ _____
10. $267 + 70 =$ _____
11. $398 + 60 =$ _____
12. $451 + 50 =$ _____
13. $564 + 80 =$ _____
14. $675 + 90 =$ _____
15. $761 + 70 =$ _____
16. $964 + 60 =$ _____
17. $102 +$ _____ $= 172$
18. $282 + 60 =$ _____
19. _____ $+ 30 = 424$
20. $488 + 40 =$ _____
21. $537 + 90 =$ _____
22. _____ $+ 30 = 686$
23. $770 +$ _____ $= 850$
24. $961 + 70 =$ _____

Challenge

Explain how you would use $7 + 8 = 15$ to calculate $537 + 8$.

Subtracting Tens from a 3-Digit Number

Calculate the answers to the following:

- $178 - 30 =$ _____
- $282 - 40 =$ _____
- $377 - 50 =$ _____
- $495 - 70 =$ _____
- $581 - 40 =$ _____
- $625 - 20 =$ _____
- $767 - 50 =$ _____
- $992 - 80 =$ _____
- $131 - 80 =$ _____
- $224 - 60 =$ _____
- $357 - 90 =$ _____
- $413 - 30 =$ _____
- $537 - 50 =$ _____
- $612 - 70 =$ _____
- $727 - 60 =$ _____
- $933 - 90 =$ _____
- $134 -$ _____ $= 74$
- $213 - 80 =$ _____
- _____ $- 70 = 276$
- $403 - 30 =$ _____
- _____ $- 90 = 486$
- $619 - 20 =$ _____
- $717 -$ _____ $= 647$
- $941 - 50 =$ _____

Challenge

Explain what other calculations you might use $13 - 8 = 5$.

Adding Hundreds to a 3-Digit Number

Calculate the answers to the following:

1. $163 + 500 =$ _____
2. $345 + 600 =$ _____
3. $582 + 400 =$ _____
4. $273 + 300 =$ _____
5. $561 + 200 =$ _____
6. $170 + 700 =$ _____
7. $207 + 500 =$ _____
8. $719 + 100 =$ _____
9. $372 + 800 =$ _____
10. $460 + 700 =$ _____
11. $508 + 900 =$ _____
12. $721 + 500 =$ _____
13. $549 + 800 =$ _____
14. $672 + 700 =$ _____
15. $701 + 900 =$ _____
16. $927 + 600 =$ _____
17. $116 + 700 =$ _____
18. $352 +$ _____ $= 1252$
19. _____ $+ 400 = 859$
20. $824 + 300 =$ _____
21. $562 + 900 =$ _____
22. _____ $+ 300 = 916$
23. $752 +$ _____ $= 1552$
24. $911 + 700 =$ _____

Challenge

Explain how you would use $9 + 4 = 13$ to calculate $931 + 400$.

Subtracting Hundreds from a Three Digit Number

Calculate the answers to the following:

1. $353 - 200 =$ _____
2. $416 - 400 =$ _____
3. $531 - 300 =$ _____
4. $789 - 500 =$ _____
5. $564 - 300 =$ _____
6. $820 - 600 =$ _____
7. $707 - 500 =$ _____
8. $919 - 700 =$ _____
9. $268 - 200 =$ _____
10. $416 - 100 =$ _____
11. $547 - 300 =$ _____
12. $346 - 100 =$ _____
13. $564 - 400 =$ _____
14. $893 - 600 =$ _____
15. $507 - 500 =$ _____
16. $919 - 400 =$ _____

Challenge

Take any three digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

e.g. $672 - 100 = 572$, $572 - 300 = 272$, $272 - 200 = 72$.

100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many subtractions as possible are there any patterns?

Adding 3-Digit and 2-Digit Numbers - No Carrying

Calculate the answers to the following:

$$\begin{array}{r} 534 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 84 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ + 56 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 92 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 281 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 552 \\ + 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ + 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 474 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 22 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 4 \quad \underline{\quad} 2 \\ + 15 \\ \hline 467 \end{array}$$

$$\begin{array}{r} \quad \underline{\quad} 53 \\ + 4 \quad \underline{\quad} \\ \hline 796 \end{array}$$

$$\begin{array}{r} 8 \quad \underline{\quad} 8 \\ + 21 \\ \hline 84 \quad \underline{\quad} \end{array}$$

Subtracting 2-Digit Numbers from 3-Digit Numbers No Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 479 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 337 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 584 \\ - 61 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 652 \\ - 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 569 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 298 \\ - 36 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 677 \\ - 72 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ - 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 387 \\ - 51 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 3 \underline{\quad} 7 \\ - 5 \underline{\quad} \\ \hline 302 \end{array}$$

$$\begin{array}{r} 54 \underline{\quad} \\ - \underline{\quad} 2 \\ \hline 515 \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 8 \\ - \underline{\quad} 6 \\ \hline 833 \end{array}$$

Subtracting 2-Digit Numbers from 3-Digit Numbers With Exchanging

Calculate the answers to the following:

$$\begin{array}{r} 343 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ - 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ - 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 620 \\ - 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 46 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ - 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ - 67 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ - 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 673 \\ - 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ - 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 916 \\ - 53 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 2 \underline{\quad} 2 \\ - 3 \underline{\quad} \\ \hline 220 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \underline{\quad} \\ - 4 \underline{\quad} \\ \hline 449 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \underline{\quad} 1 \\ - 6 \underline{\quad} \\ \hline 24 \\ \hline \end{array}$$

Adding Two 3-Digit Numbers - With Carrying

Calculate the answers to the following:

$$\begin{array}{r} 323 \\ + 518 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 607 \\ + 228 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 507 \\ + 463 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 319 \\ + 142 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 257 \\ + 706 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 505 \\ + 109 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 243 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 591 \\ + 367 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 572 \\ + 336 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 760 \\ + 615 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 822 \\ + 345 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 912 \\ + 461 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 476 \\ + 485 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 655 \\ + 738 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 648 \\ \hline \\ \hline \end{array}$$

Calculate the following calculations:

$$\begin{array}{r} 5 \quad \underline{\quad} 8 \\ + \quad 3 \quad \underline{\quad} \\ \hline 1487 \end{array}$$

$$\begin{array}{r} 641 \\ + \quad 7 \quad \underline{\quad} \\ \hline 124 \end{array}$$

$$\begin{array}{r} 4 \quad \underline{\quad} 5 \\ + 878 \\ \hline 15 \end{array}$$

Checking 3 by 3-Digit Mixed Calculations - With Carrying and Exchanging

Calculate the answer to the following calculations and check by using the inverse (addition or subtraction). Choose the best method for you - column method, number line, near doubles etc.

34 23 57	16 59 75	92 45 137
$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
87 240 153	393 240 153	616 240 153
$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Create two addition and two subtraction calculations from each set of three numbers, writing the full calculations in the given box.

26 97 123	86 134 48	364 213 151
652 589 63	572 801 229	371 912 1283

Addition and Subtraction Word Problems

Solve the following problems:

1. There are 167 books in one classroom and 392 books in the other.
How many books are there altogether in both classrooms?
2. Jay has a collection of 263 football cards. His brother has 189.
How many more football cards does Jay have?
3. A family drive 208 miles from London to Manchester and then 213 miles to Glasgow.
How far did they travel altogether?
4. A cricket team score 456 in the first innings and 249 in the second innings.
How many runs did they score altogether?
5. Jenny has £6.67. She spends £2.85 on a present for her brother.
How much money does she have altogether.
6. Abi collects stamps. She has 351 in a box and 456 in a book.
How many does she have altogether?
7. A lorry driver has a 561 mile journey. He stops for a break after 314 miles.
How much further has he to travel?
8. A pack of Christmas cards costs £5.49.
How much change would there be from £10.00?
9. A packet of lentils weighs 450g and a packet of kidney beans weighs 385g.
How much do they both weigh altogether?
10. A shopkeeper has 367 bottles of lemonade.
He orders 480 more. How many bottles of lemonade will he have now?

Challenge

Two children have 720 marbles between them.
Jay has 126 more than Abi.
How many does Abi have?

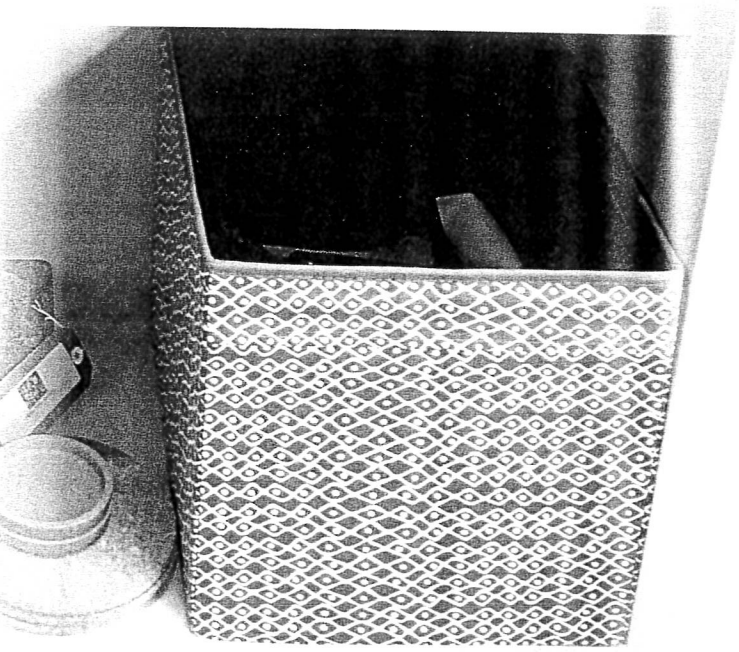
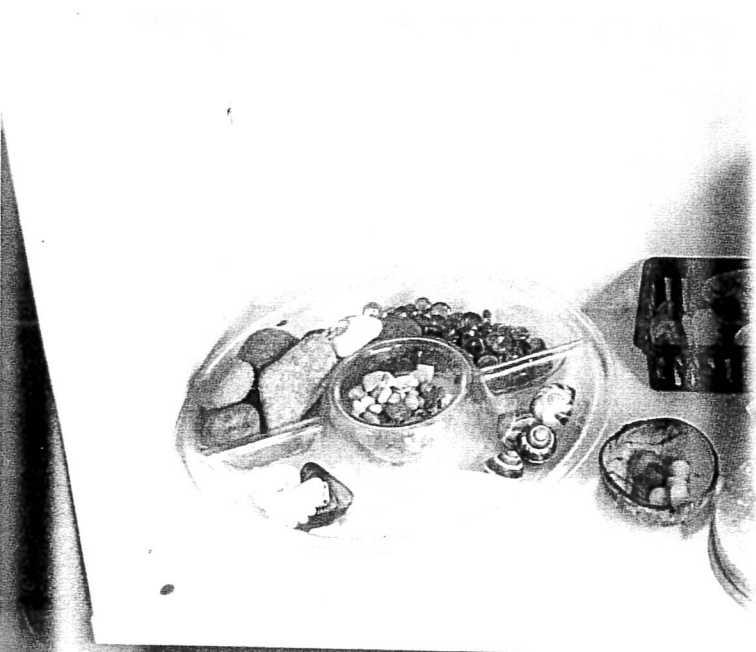
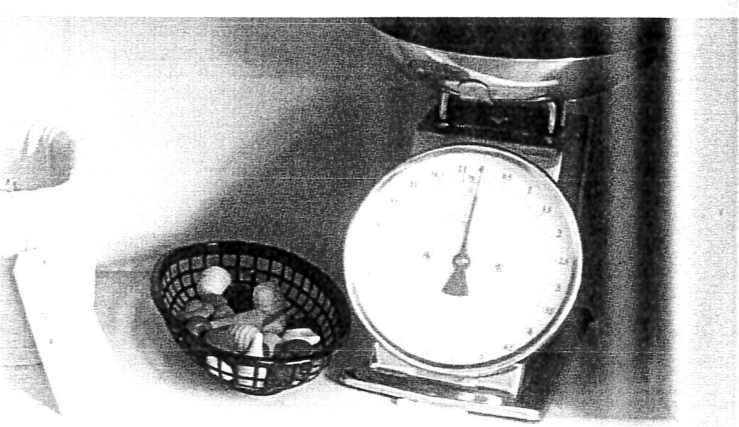
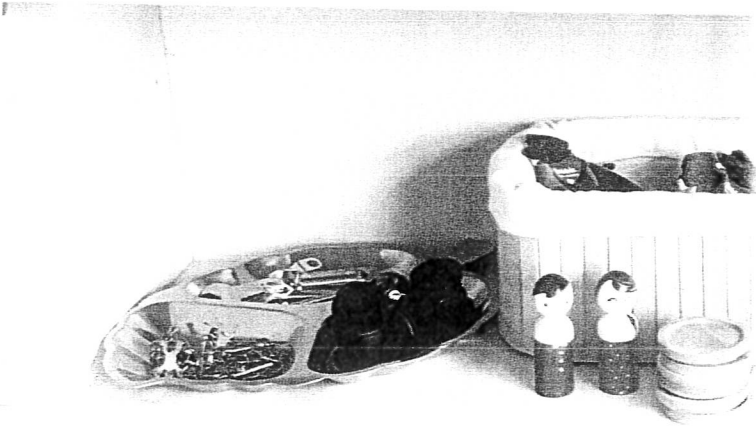
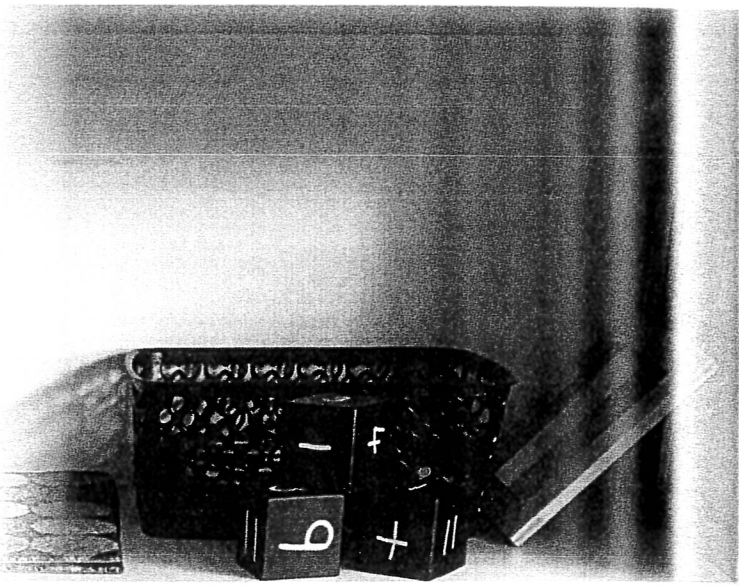
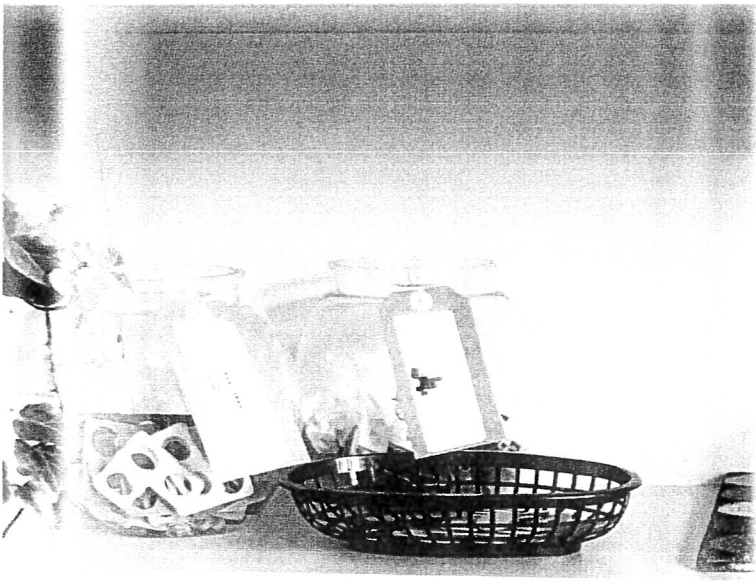
Addition and Subtraction Using Worded Calculations

Solve the following problems:

1. What number is five more than two hundred and fifty nine?
2. What number is 451 subtract 246?
3. How much larger is 817 than 662?
4. What number is three hundred and six more than four hundred and nineteen?
5. What number is the difference between two hundred and sixteen and three hundred and nine?
6. Add five hundred and ninety three and three hundred and sixty eight.
7. What number is four hundred and sixty five less than seven hundred and twelve?
8. Increase £5.73 by £6.45.
9. What number is the sum of six hundred and forty and five hundred and seventy six?
10. Decrease 790 by 213.
11. Add together £2.58, £6.27 and £7.03
12. What number is two hundred and fourteen minus one hundred and seventeen?
13. Take £271 away from £604
14. If I increase a number by 382 and get 901, what number did I start with?
15. Add together 219 and 734, then subtract 486.

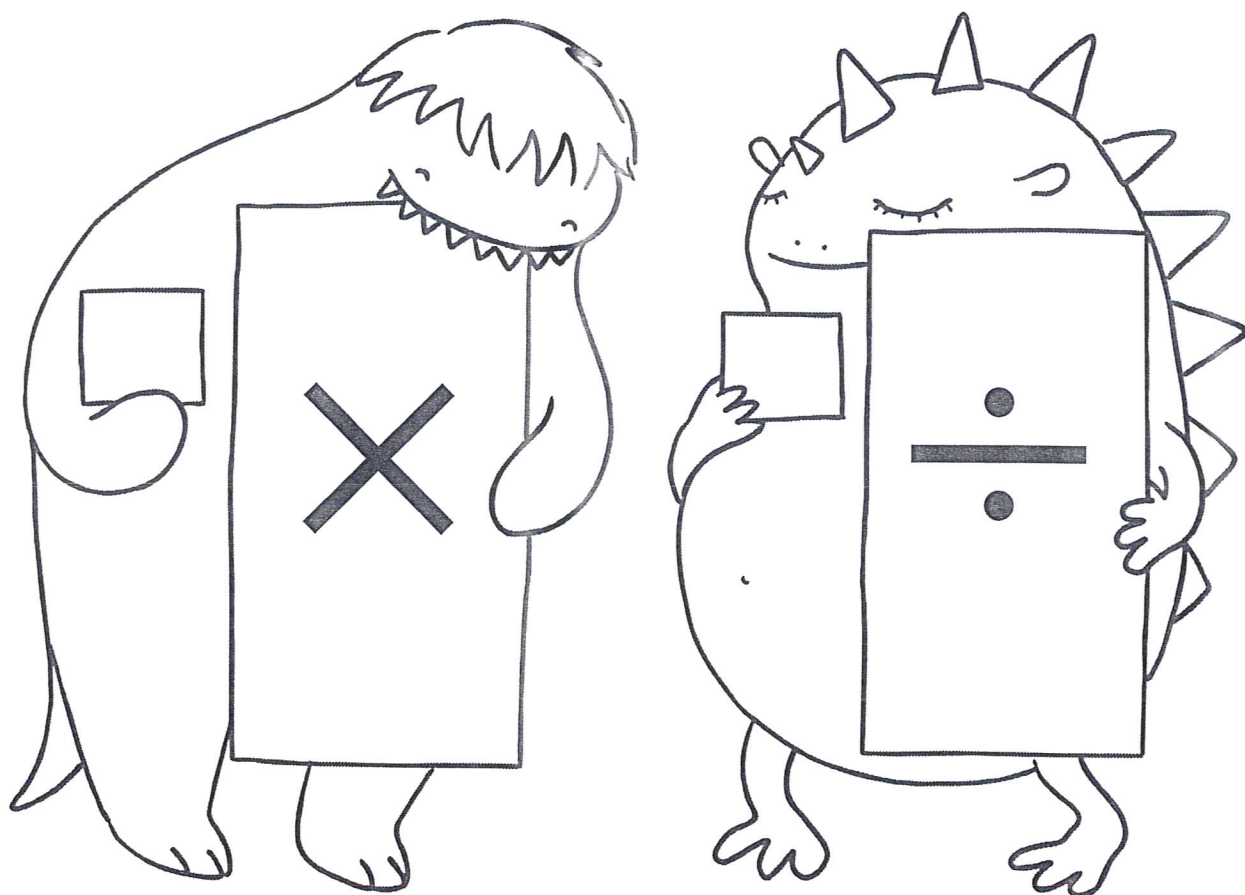
Challenge

Use the digits 1 to 9 to make three numbers that add up to 900.



Maths

Multiplication and Division



Workbook



Word Search 4 Times table

Answer the calculations below and find the answers in the word search:

$4 \times 3 =$

$4 \times 4 =$

$4 \times 11 =$

$4 \times 8 =$

$4 \times 10 =$

$4 \times 2 =$

f	t	h	i	r	t	y	t	w	o
t	o	h	f	o	r	t	y	w	o
w	t	r	s	i	x	e	e	t	e
e	w	r	t	e	s	e	s	h	i
l	s	e	l	y	n	l	h	i	g
v	k	i	e	t	f	e	e	r	h
e	a	e	y	e	a	o	t	t	t
f	o	r	t	e	o	o	u	y	e
o	n	n	e	e	t	h	g	r	e
s	i	x	t	e	e	n	b	n	n

Word Search 3 Times table

Answer the calculations below and find the answers in the word search:

$3 \times 3 =$

$3 \times 4 =$

$3 \times 10 =$

$3 \times 6 =$

$3 \times 2 =$

$3 \times 7 =$

e	t	h	i	r	t	y	n	e	l
t	n	h	x	t	t	e	r	t	o
w	i	u	e	d	b	i	w	n	e
e	n	r	w	e	s	e	e	o	s
l	e	e	l	p	n	e	h	u	i
v	k	e	e	t	t	i	e	r	x
e	a	e	y	h	a	u	t	n	e
m	q	o	g	e	o	o	k	i	e
o	n	i	e	e	t	h	g	n	e
e	e	d	j	p	z	o	b	n	n

Table at the Double

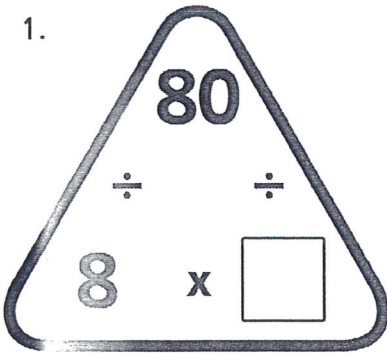
Find the 2x table by doubling each number. Find the 4x table by doubling the 2x table. Find the 8 times table by doubling the 4x table. Can you complete the whole sheet?

Number	x2	x4	x8
2	4	8	16
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
15			
20			
50			
100			

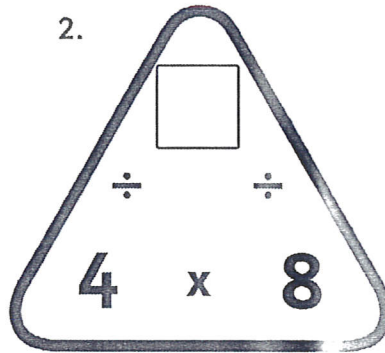
Multiplication Triangles Sheet 1

Fill in the blanks in these multiplication triangles.

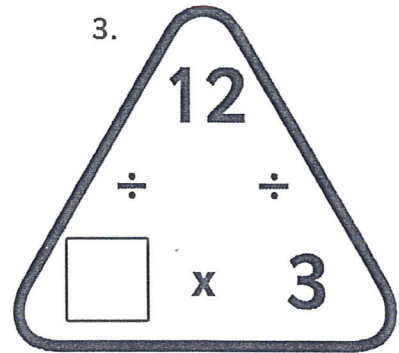
1.



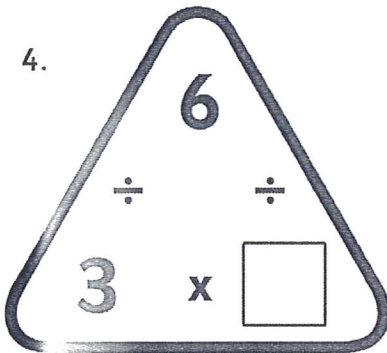
2.



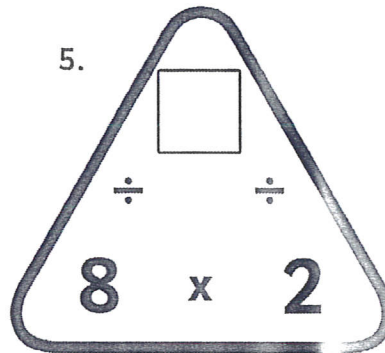
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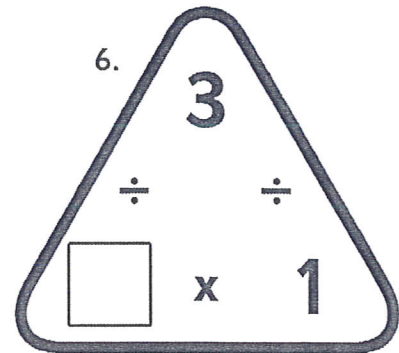
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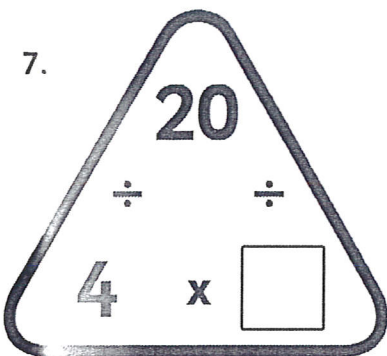
5.



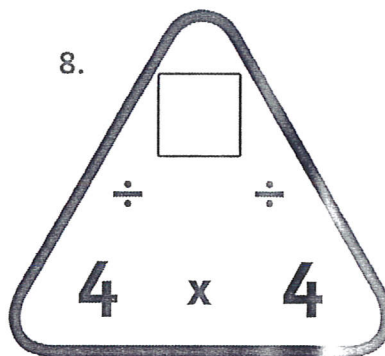
6.



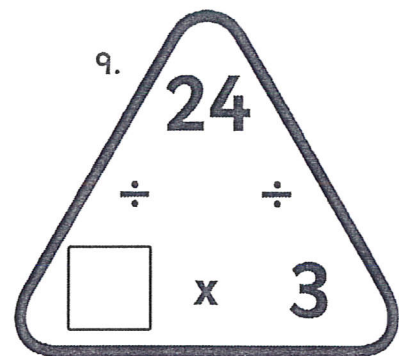
7.



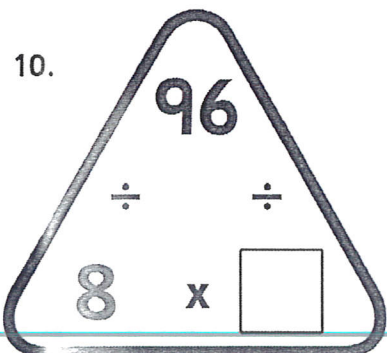
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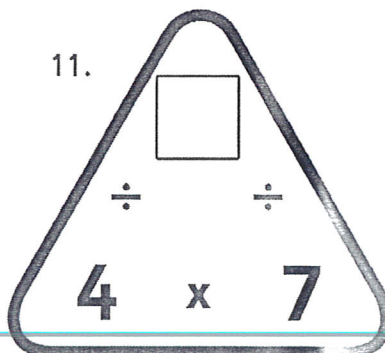
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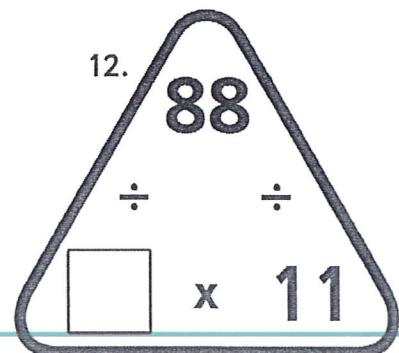
10.



11.



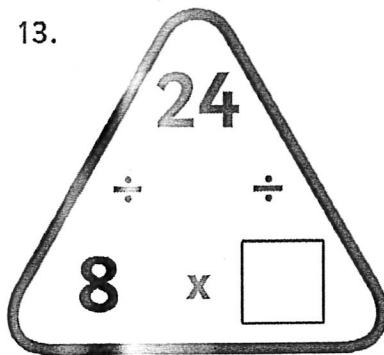
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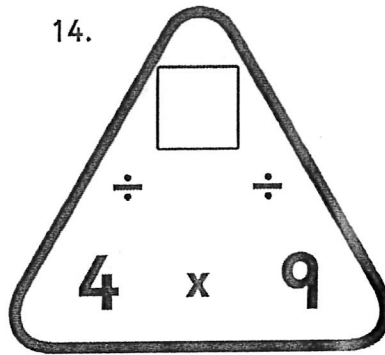
Multiplication Triangles Sheet 2

Fill in the blanks in these multiplication triangles.

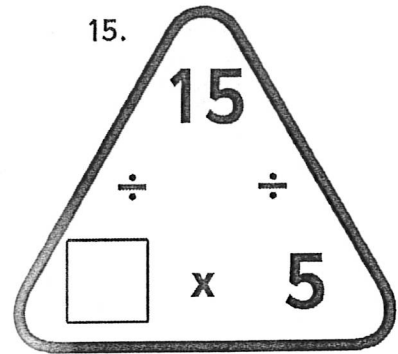
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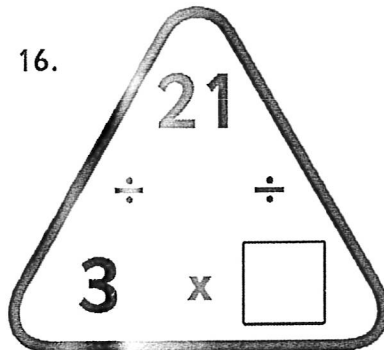
14.



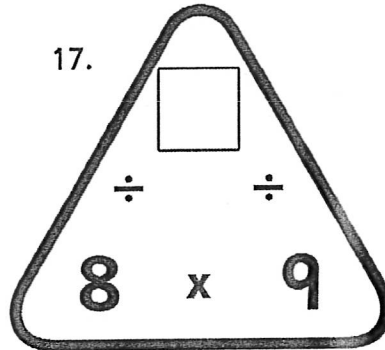
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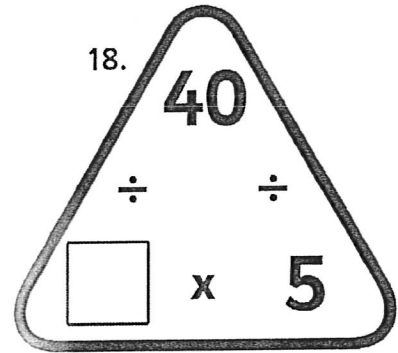
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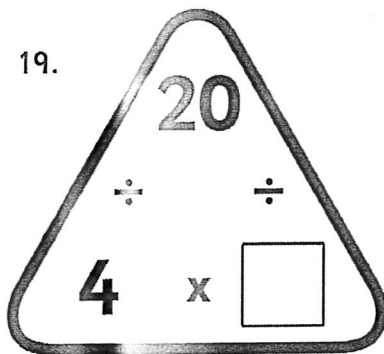
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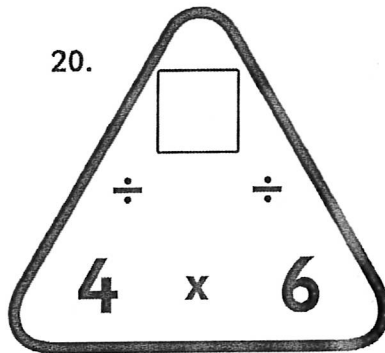
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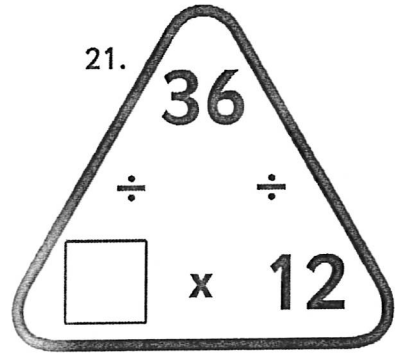
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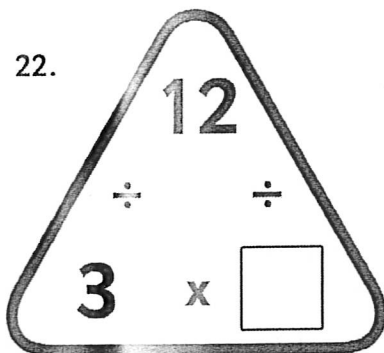
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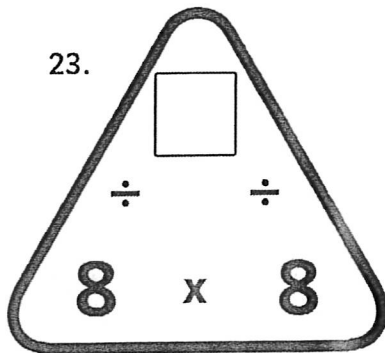
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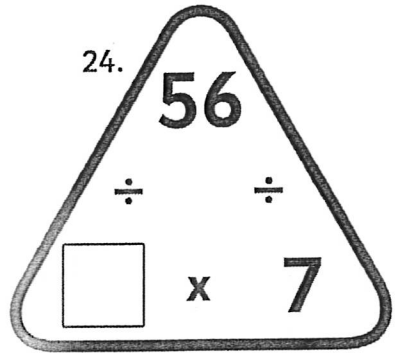
22.



23.



24.



Mental Multiplication

Try using these mental calculation strategies to see how many of these calculations you can perform mentally.

x4

Double the number and then double it again.

e.g. $13 \times 4 = 52$
($13 \times 2 = 26$,
 $26 \times 2 = 52$)

x5

Multiply the number by 10 and then half it.

e.g. $14 \times 5 = 70$
($14 \times 10 = 140$, divided by
 $2 = 70$)

x8

Double the number, double it again and then double it a third time.

e.g. $13 \times 8 = 104$
($13 \times 2 = 26$, $26 \times 2 = 52$,
 $52 \times 2 = 104$)

x9

Multiply the number by 10 and then subtract the number.

e.g. $15 \times 9 = 135$ ($15 \times 10 = 150$,
 $150 - 15 = 135$)

x11

Multiply the number by 10 and then add the number.

e.g. $7 \times 11 = 77$ ($7 \times 10 = 70$,
 $70 + 7 = 77$)

x15

Multiply the number by 10 and then add half of the total.

e.g. $12 \times 15 = 180$
($12 \times 10 = 120$, 120 divided by $2 = 60$,
 $60 + 120 = 180$)

1. $14 \times 4 =$

12. $3 \times 15 =$

2. $13 \times 5 =$

13. $15 \times 4 =$

3. $6 \times 8 =$

14. $20 \times 5 =$

4. $8 \times 9 =$

15. $5 \times 8 =$

5. $9 \times 11 =$

16. $12 \times 9 =$

6. $6 \times 15 =$

17. $13 \times 11 =$

7. $15 \times 4 =$

18. $8 \times 15 =$

8. $9 \times 5 =$

19. $4 \times 8 =$

9. $12 \times 8 =$

20. $9 \times 15 =$

10. $13 \times 9 =$

21. $11 \times 15 =$

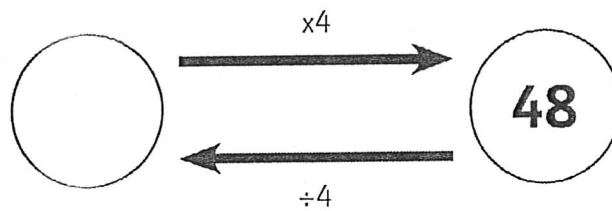
11. $10 \times 11 =$

22. $14 \times 8 =$

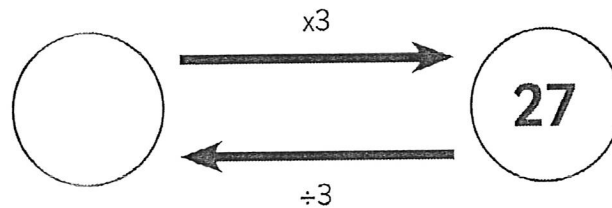
I'm Thinking of a Number

Use the inverse operation to work backwards and find the original number.

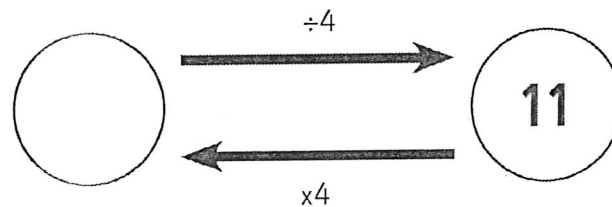
e.g. Samiya is thinking of a number. She multiplies it by 4 and her new number is 48. What number was she first thinking of?



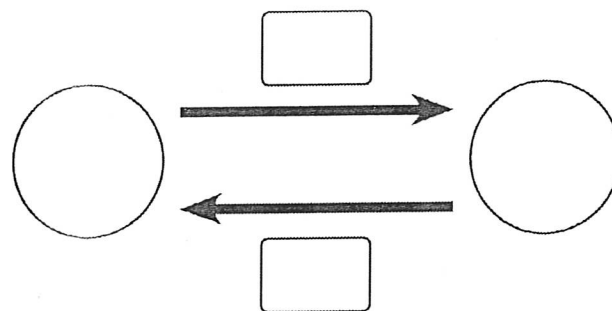
1. Nat is thinking of a number. He multiplies it by 3 and his new number is 27. What number was he first thinking of?



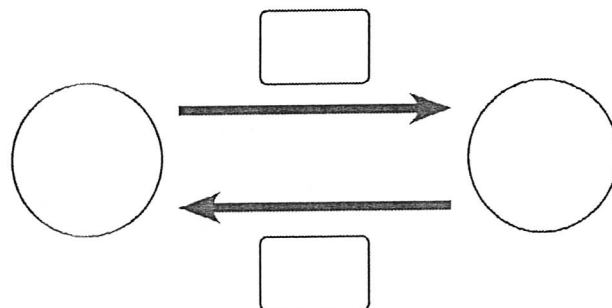
2. Shahid is thinking of a number. He divides it by 4 and his new number is 11. What number was he first thinking of?



3. Esme is thinking of a number. She divides it by 8 and her new number is 5. What number was she first thinking of?



4. Taylor is thinking of a number. He multiplies it by 3 and his new number is 24. What number was he first thinking of?



Deriving Related Multiplication Facts From Known Multiplication Tables

Complete the times tables question on the small lorries then use the answers to complete the associated facts on the big lorries!

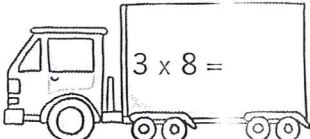
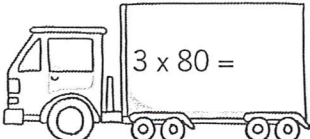
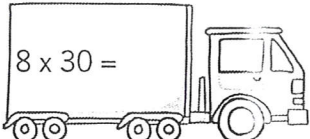
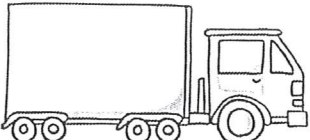
1. $3 \times 4 =$ $3 \times 40 =$ $4 \times 30 =$ $4 \times 3 =$

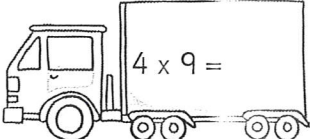
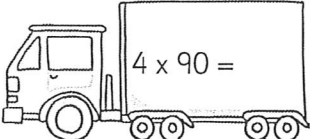
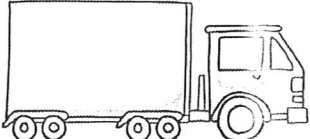
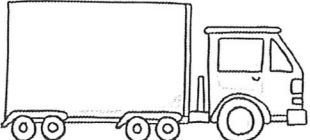
2. $3 \times 6 =$ $3 \times 60 =$ $6 \times 30 =$ $6 \times 3 =$





3. $3 \times 7 =$ $3 \times 70 =$ $7 \times 30 =$ $7 \times 3 =$

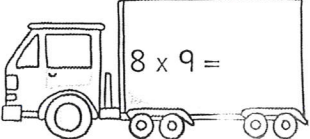

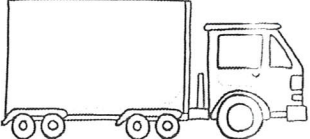
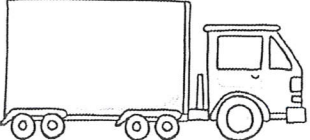
4. $4 \times 4 =$ $4 \times 40 =$ $40 \times 4 =$ $4 \times 4 =$

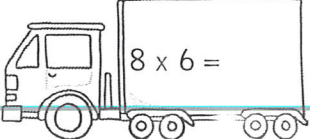
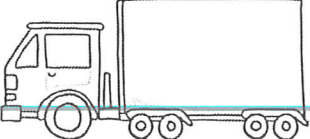
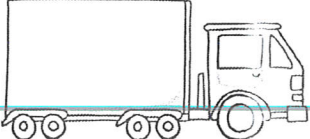
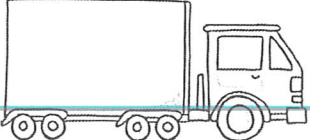
5. $4 \times 7 =$ $40 \times 7 =$ $7 \times 40 =$ $7 \times 4 =$

6.    

7.    

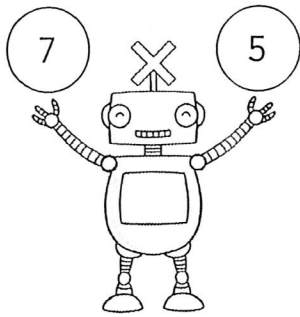
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9.    

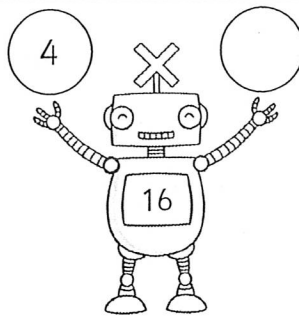
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Multiplication Missing Numbers

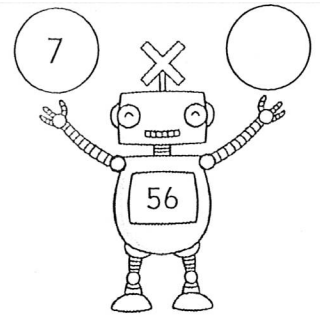
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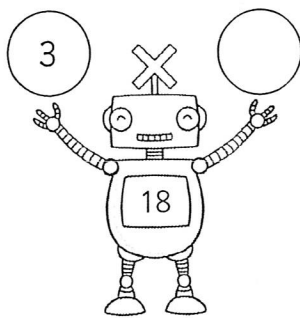
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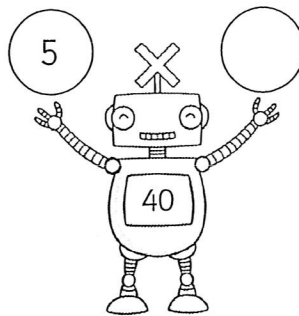
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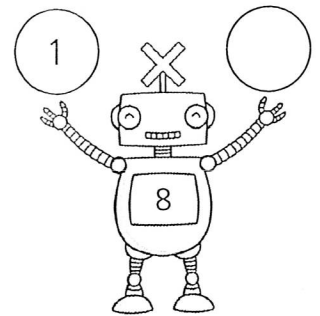
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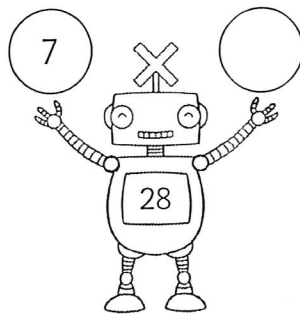
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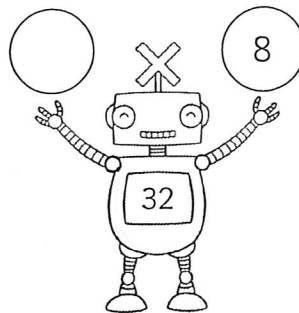
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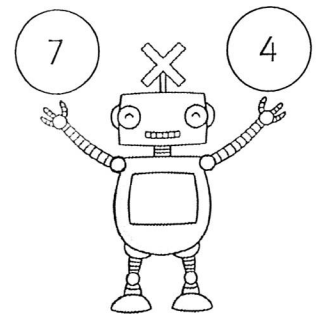
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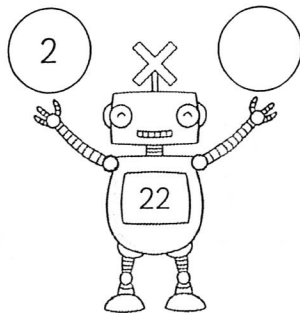
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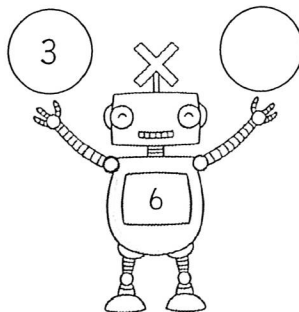
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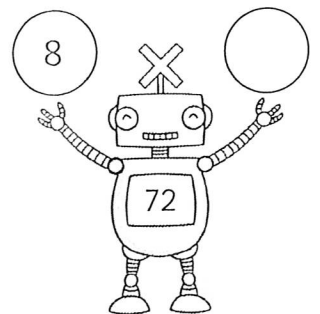
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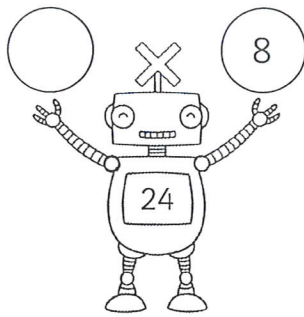
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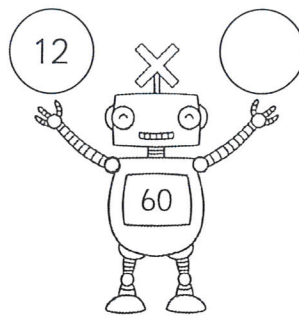
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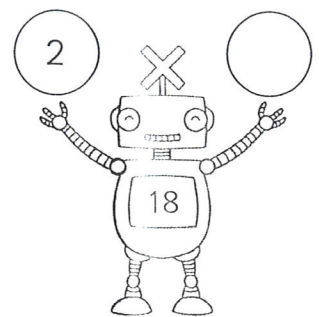
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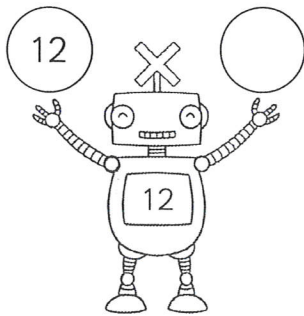
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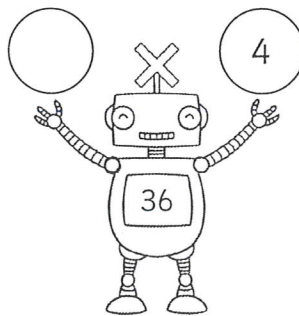
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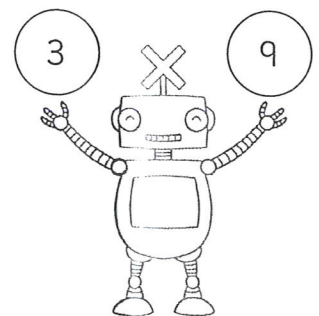
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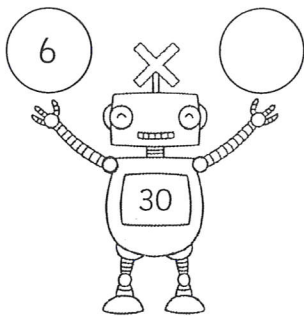
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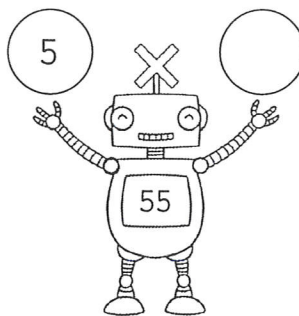
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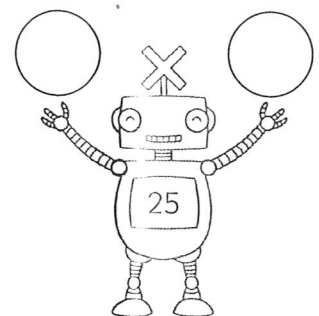
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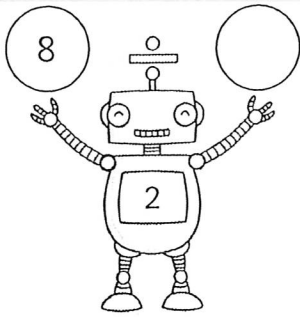


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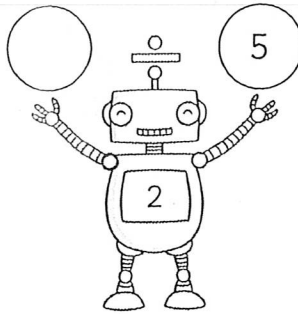


Division Missing Numbers

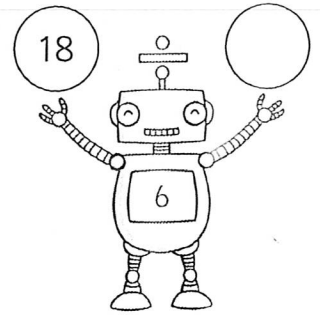
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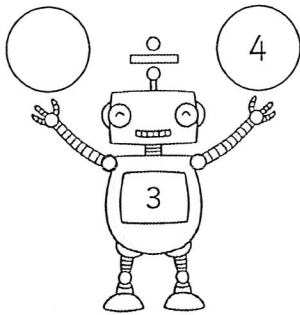
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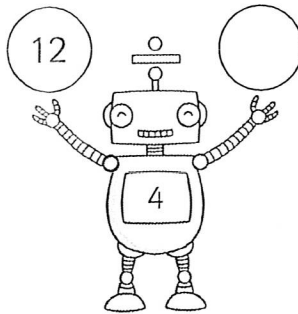
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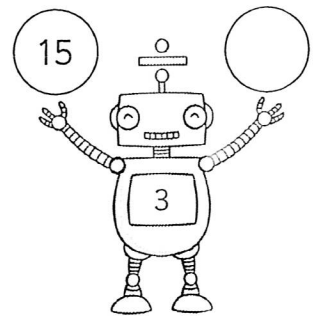
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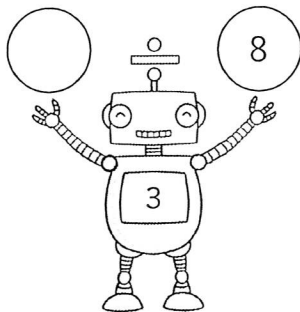
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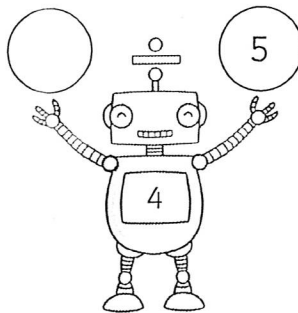
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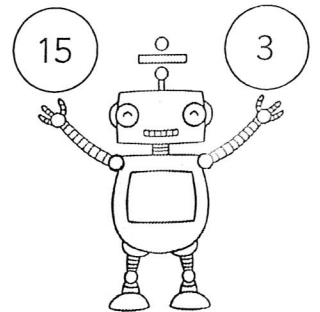
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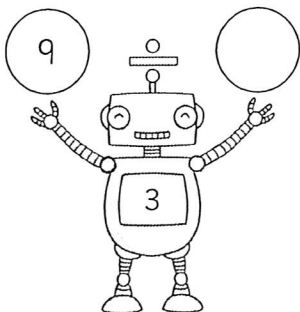
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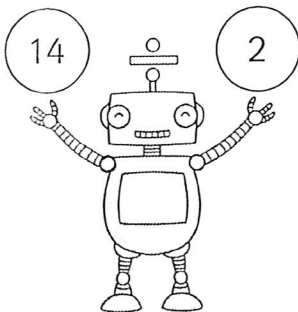
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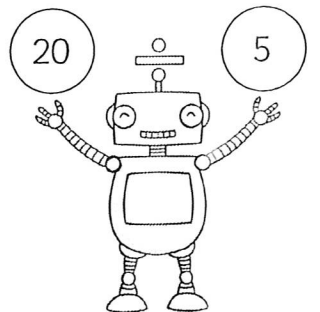
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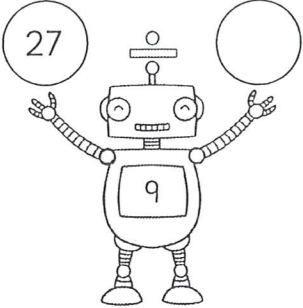
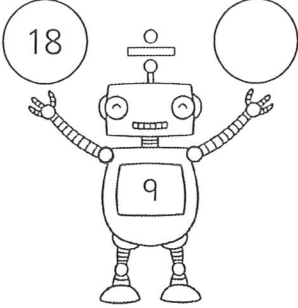
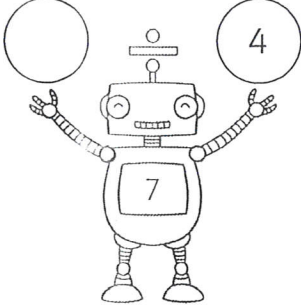
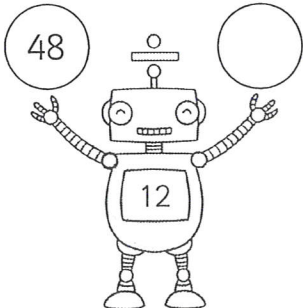
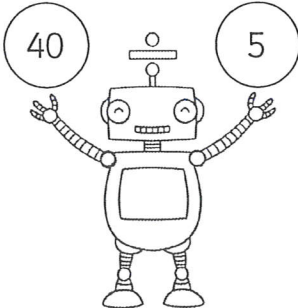
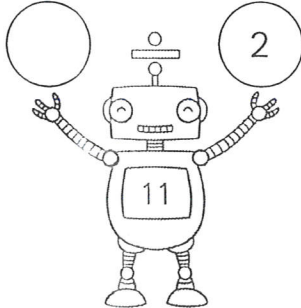
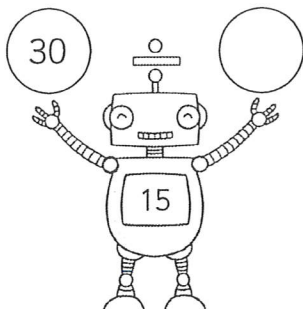
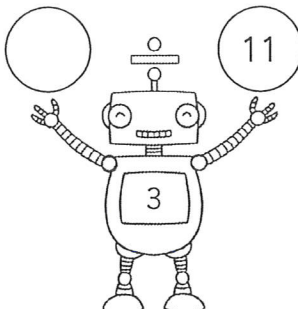
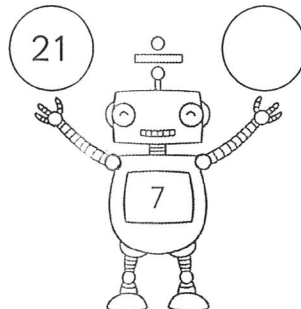


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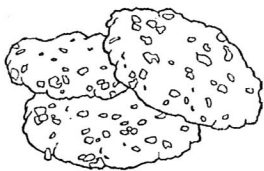
12.



13. 
14. 
15. 
16. 
17. 
18. 
19. 
20. 
21. 

Scaling Problems

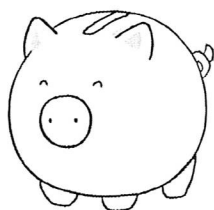
1. There are three biscuits in a packet. How many are there in seven packets?



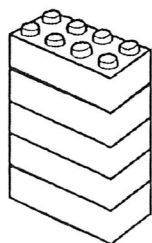
2. There are six stickers in a pack, how many packs do you need to buy to have 30 stickers?



3. I have eight 5p coins in my money box. How much money do I have?



4. Joe builds a tower which is five bricks tall. Gina builds one four times as high. How many bricks does Gina use?



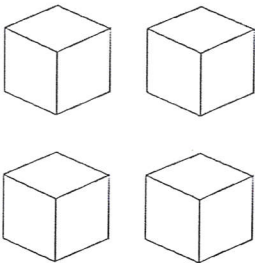
5. There are six eggs in a box – how many boxes are needed to make 48 eggs?



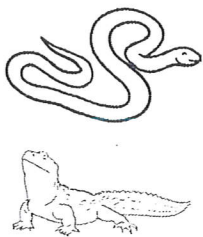
6. Danyal has a 5p coin, a 2p coin and a 1p coin. Dylan has three times as much. How much does Dylan have?



7. Lisa has four cubes. Ned has double the number of cubes that Lisa has. Mina has double the number of cubes that Ned has. How many cubes does everyone have?



8. A lizard is four centimetres long. A snake is nine times as long. How long is the snake?



Colour the Division Equation

Can you colour all the lines of three number squares that make a division equation? The line can be in any order but squares must be beside each other in a column or in a row. Squares can be part of more than one equation.

The example $15 \div 3 = 5$ is shown below.

Round 1

15	6	8	60	5	12	1	12
5	1	5	7	16	4	23	12
3	21	4	9	7	3	1	1
8	3	20	10	2	17	16	1
4	1	1	5	3	16	2	8
32	18	9	2	2	4	7	2
25	3	15	3	4	4	4	16
18	6	1	6	9	13	9	14

Round 2

88	10	31	1	41	21	6	27
8	25	23	4	4	7	9	9
11	1	11	9	21	3	9	3
3	15	5	2	10	12	14	24
33	3	55	3	4	4	16	8
4	44	11	2	40	8	5	15
7	8	13	2	5	2	10	20
28	4	7	8	8	4	2	2

Round 3

24	12	2	1	3	7	14	35
21	17	4	9	8	10	2	5
19	20	8	4	32	2	7	7
6	10	2	20	11	5	5	25
5	5	4	5	15	3	1	3
4	2	3	6	2	36	5	2
4	18	9	10	13	12	2	6
16	16	3	27	9	14	12	15

Round 4

14	18	20	2	10	2	15	6
7	17	4	9	8	4	32	23
2	10	5	22	80	14	8	16
11	9	3	9	28	7	4	10
7	90	15	13	8	35	19	24
25	4	2	15	3	5	6	30
21	12	4	5	12	20	20	10
48	6	8	12	4	4	16	3