

# Good Learners

18th March 2016

Starter: To use rounding to check answers.

Calculation	Rounded Approximation	Does the original answer look correct based on rounded estimation?	Corrected Answer if necessary (You may need to recalculate)
e.g. $458 + 242 = 998$	$460 + 240 = 700$	Yes	698
1. $371 + 287 = 658$	<del>400 + 300 = 700</del>	<del>Yes</del>	658 ✓
2. $548 + 342 = 890$	<del>550 + 340 = 890</del>	Yes	890 ✓
3. $784 + 326 = 1113$	<del>800 + 300 = 1100</del>	Yes	1113 ✓

After to round to 10<sup>0</sup>

$$\begin{array}{r} 371 \\ + 287 \\ \hline 658 \end{array}$$

14. Multiply and divide large numbers using place value. Multiply by 10, 100 and 1000. Divide by 10, 100 and 1000.

### Expanded method @ @ @ @ @

To solve multiplications (2 by 2 digit) independently in books - Using expanded method

Multiply and divide whole numbers. Multiply by 10, 100 and 1000. Divide by 10, 100 and 1000. Multiply numbers up to 4 digits by 2 digits.

$$\begin{array}{r} 11 \\ \times 18 \\ \hline 80 \\ + 100 \\ \hline 198 \end{array}$$

(8x1)  
(8x10)  
(10x1)  
(10x10)

$$\begin{array}{r} 15 \\ \times 19 \\ \hline 45 \\ + 140 \\ \hline 285 \end{array}$$

(5x9)  
(5x10)  
(10x9)  
(10x10)

$$\begin{array}{r} 10 \\ \times 18 \\ \hline 80 \\ + 100 \\ \hline 180 \end{array}$$

(0x8)  
(0x10)  
(10x8)  
(10x10)

### Expanded method multiplication

Grid method

$35 \times 26 = 910$

x	30	5
30	900	150
5	150	25

$$\begin{array}{l} 900 + 150 = 1050 \\ 150 + 25 = 175 \\ 1050 + 175 = 1225 \end{array}$$

Expanded column method

$35 \times 26 = 910$

$$\begin{array}{r} 35 \\ \times 26 \\ \hline = 30 (6 \times 5) \\ = 180 (6 \times 30) \\ = 100 (20 \times 5) \\ + 600 (20 \times 30) \\ \hline 910 \end{array}$$

Using the expanded method of multiplication, calculate the following:

Using the expanded method of multiplication, calculate the following:

- $11 \times 18 = 198$
- $13 \times 15 = 195$
- $15 \times 19 = 285$
- $12 \times 14 = 168$
- $10 \times 18 = 180$
- $10 \times 20 = 200$





rybble, miss and rusty pavilion, by  
train tracks, lanes, tops and tracks

regret selfish  
aring  
rude  
lousy  
lazy  
cautious  
shy  
self



leanna  
happy  
excited  
Full of energy  
Joyful  
energetic  
likes to have fun

conscious  
embarrassed  
uncomfortable

Walt:

"Give me! No why should I  
just give me Oh if you  
promise to play the  
year. No more! There you  
go! Thank you!"

Tuesday 1<sup>st</sup> March

WALT: Wright in role as a character.

Dear Diary

Once again I came home hated, fed up and starving! I never had been so hungry before! There is <sup>are</sup> two reasons why I steal 1 because I promised 2 because I need food! But I feel sorry for the people I've stolen from! I feel like such a bad person stealing from people who are already poor enough maybe I'm the reason people never smile I made this promise because my friend would have killed me I shouldn't have done this promise I should run away a thousand miles so people can be happy! My life is ruined because I made this stupid promise!

02.03.16

Today is probably the worst day of my whole life in the city because I have just realised my friend nobody likes me I have to stop what I'm doing this place is so hard to live in I'm stuck in a city of death! I NEED HELP! I just will either die of hunger or be a bad person for the rest of my life! This is not possible how can the city be so poor? I've even steal people's food and drink I can't stand living like this





In the city I'm talking about, the buildings are gritty and not very pretty I hope it will change but...

The metal bridges and ladders, they creak and strain but...

The cars rumble like starving hungry <sup>wolves</sup> ~~wolves~~ and they are foaling apart but...

Dark, <sup>blurry</sup> shadows crawl around the colossal sky scrapers, they scurry down the rundown <sup>alley</sup> ~~alley~~ ways and follow the downhearted souls but...

Does anyone even notice?

Does anyone even care?

Does anyone ever dream of this city finding happiness?

Name: Chloe Styler

Date: 7.3.16

WALT: create a free-verse poem using rich vocabulary to describe a setting.



1. The price of a tube of smarties is 56p. Mrs. Potter needs to buy enough sweets for the Dolphins (20 chn) and the Manta Rays (20 chn). How much money does she spend altogether? Mrs Potter needs to spend

£22.40

3. It cost Paul's dad £134.45 to take them both to see Megan Trainor in concert. His Dad's ticket cost £96.02. How much was Paul's ticket?

5. In a sale, a washing machine cost £399.50. Its price has been reduced by £130.18. How much was the washing machine before the sale?

2. Kate spends £36.65 for her two dogs and £85.90 for her 5 cats to enter a pet show. She wins £150 in prize money. How much has she won when she deducts (takes away) the cost of entering her pets? £27.45

4. Jo pays £1.80 for three custard tarts at the Rowner Bakery. How much does one tart cost? 50p for 1 tart

6. Tariq spends £56.32 on a coat and £78.56 on a pair of trainers. At the till, he gets £12 off. How much did he spend?

① Dolphins = 20 child.  
Manta rays = 20 child.

20 + 20 = 40 child.

40 x 56p = 2240p

20 x 56p = 1120p

1120p x 20 = 2240p. £22.40 ✓

②

Dogs = 2.  
Cats = 5.

£36.65 = 3665p x 2 = 7360p  
£85.90 = 8590p x 5 = 42950p

3665  
+ 8590  
12255p 12255 = £122.55

134.45  
- 122.55  
11.90

134.45 - 134.45p ✓

96.02 = 9602p

13445  
- 9602  
3843

④ £1.80 = 180

3 | 180  
- 30 (x10) 180 - 3 = 60  
150  
- 30 (x10)  
20  
- 30 (x10)  
90  
- 30 (x10)  
60  
- 30 (x10)  
30  
- 30 (x10)  
00

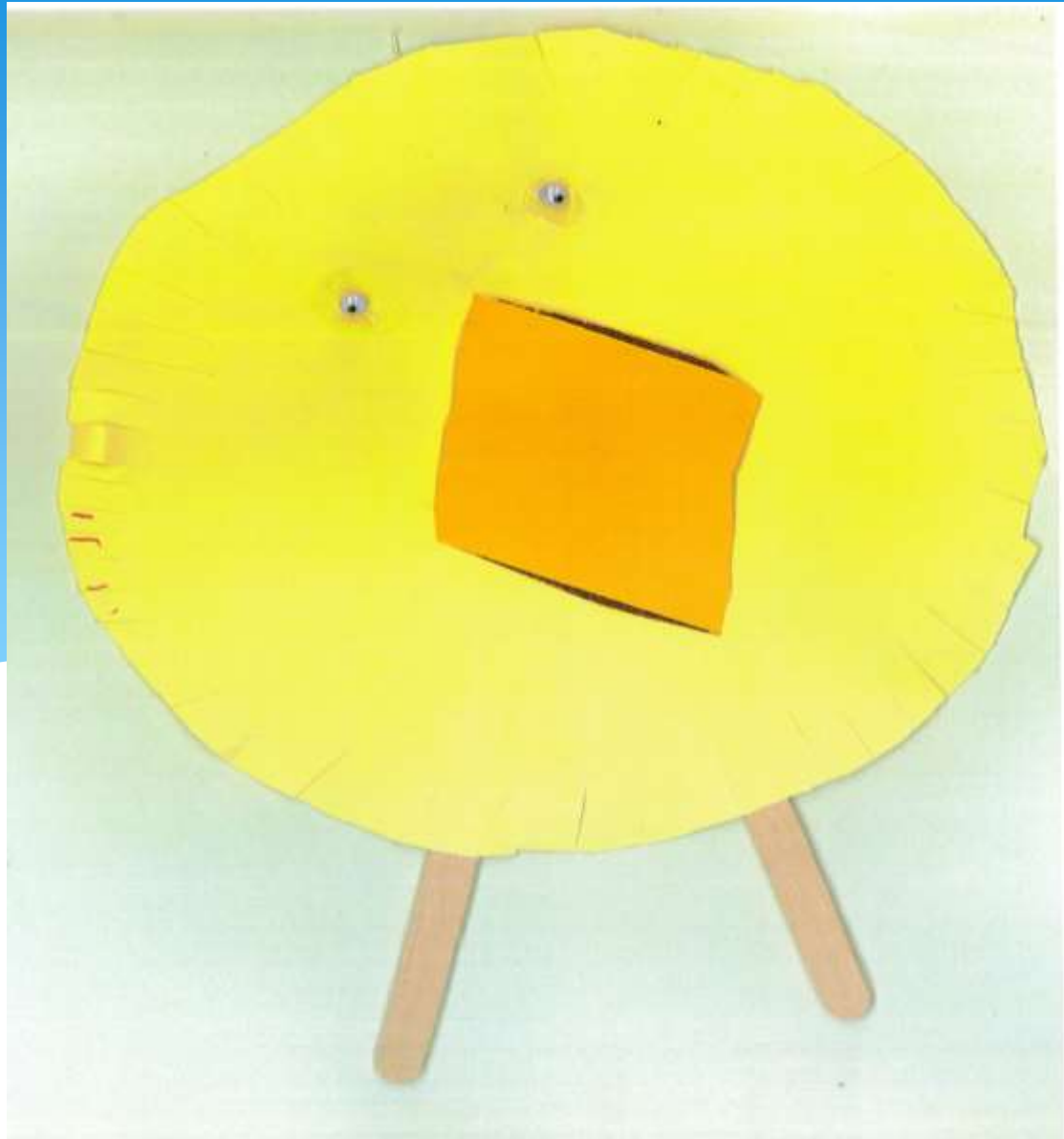
Dmp exchange

watch your place value!

100 x 7 = 700  
10 x 3 = 30  
5 x 7 = 35  
2 x 3 = 6  
1 x 7 = 7

Support problem  
Solving Emilia





Date 1

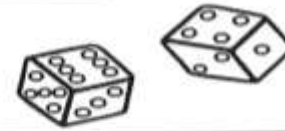
Name HARVY

**Directions:**

Roll the die and record the number in the middle column.

In the left column write the number that is 1 less.

In the right column write the number that is 1 more.



one less	number	one more
0 ✓ ←	1 ✓ →	2 ✓
1 ✓ ←	2 ✓ →	3 ✓
0 ✓ ←	0 ✓ →	1 ✓
0 ✓ ←	1 ✓ →	2 ✓
4 ✓ ←	5 ✓ →	0 ✓
4 ✓ ←	5 ✓ →	0 ✓
0 ✓ ←	1 ✓ →	5 ✓
5 ✓ ←	0 ✓ →	1 ✓
2 ✓ ←	3 ✓ →	4 ✓
3 ✓ ←	4 ✓ →	5 ✓

1 2 3 4 5 6 7 8 9 10

