

Hartley Road Primary School  
Lockdown Homework - Grade 3

Mathematics:

1. Revise the examples of decomposition.
2. Complete the sums using the decomposition method.
3. Check your answers against the answers provided below.
4. Flip-file work must be revised daily.
  - Bonds of 1 to 30.
  - Time tables 1 to 10.
  - Counting patterns –2s,3s,4s,5s,10s till 500

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Decomposition

Examples:

1.  $423+247$   
 $= (400+20+3) + (200+40+7)$   
 $= (400+200) + (20+40) + (3+7)$   
 $= 600+60+10$   
 $= 670$

2.  $546-215$   
 $= (500+40+6) - (200+10+5)$   
 $= (500-200) + (40-10) + (6-5)$   
 $= 300+30+1$   
 $= 331$

3.  $43 \times 2$   
 $= (40+3) \times 2$   
 $= (40 \times 2) + (3 \times 2)$   
 $= 80+6$   
 $= 86$

5.  $62 \div 2$   
 $= (60+2) \div 2$   
 $= (60 \div 2) + (2 \div 2)$   
 $= 30+1$   
 $= 31$



Hey kids!!

Just reminding you to look out for those signs!

**+ - X ÷**

**Complete using the examples given above:**

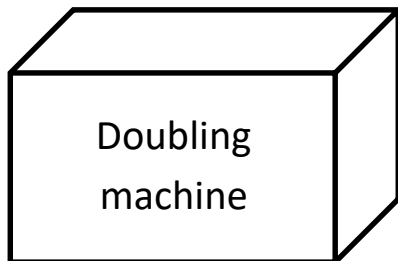
1. $424+235$	2. $373-113$
=	=
=	=
=	=
=	=
3. $228+140$	4. $394-216$
=	=
=	=
=	=
=	=
5. $24 \times 3$	6. $84 \div 4$
=	=
=	=
=	=
=	=
7. $32 \times 4$	8. $39 \div 3$
=	=
=	=
=	=
=	=
9. $336+244$	10. $279-252$
=	=
=	=
=	=
=	=
11. $438+123$	12. $342-220$
=	=
=	=
=	=
=	=
13. $13 \times 5$	14. $66 \div 3$
=	=
=	=
=	=

=	=
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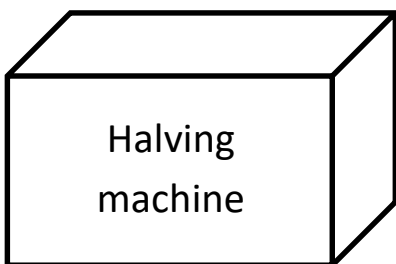
**Complete the counting patterns:**

a. Count forwards in 20's	260				
b. Count backwards in 50's	550				
c. Count forwards in 100's	323				
d. Count forwards in 3's	427				
e. Count backwards in 4's	116				
f. Count forwards in 2's	568				
g. Count forwards in 10's	452				
h. Count backwards in 5's	277				
i. Count forwards in 15's	325				
j. Count forwards in 20's	260				

**Doubling and halving:**



IN	30	15	8	24	12	46	32	18	17
OUT									



IN	26	12	32	44	100	50	52	48	120
OUT									

## Answers:

1. $424+235$	2. $373-113$
$= (400+20+4)+(200+30+5)$	$= (300+70+3)-(100+10+3)$
$= (400+200)+(20+30)+(4+5)$	$= (300-100)+(70-10)+(3-3)$
$= 600+50+9$	$= 200+60+0$
$= 659$	$= 260$
3. $228+140$	4. $394-216$
$= (200+20+8)+(100+40+0)$	$= (300+90+4)-(200+10+6)$
$= (200+100)+(20+40)+(8+0)$	$= (300-200)+(90-10)+(4-6)$
$= 300+60+8$	$= 100+80+4-6$
$= 368$	$= 178$
5. $24 \times 3$	6. $84 \div 4$
$= (20+4) \times 3$	$= (80+4) \div 4$
$= (20 \times 3) + (4 \times 3)$	$= (80 \div 4) + (4 \div 4)$
$= 60+12$	$= 20+1$
$= 72$	$= 21$
7. $32 \times 4$	8. $39 \div 3$
$= (30+2) \times 4$	$= (30+9) \div 3$
$= (30 \times 4) + (2 \times 4)$	$= (30 \div 3) + (9 \div 3)$
$= 120+8$	$= 10+3$
$= 128$	$= 13$
3. $336+244$	10. $279-252$
$= (300+30+6)+(200+40+4)$	$= (200+70+9)-(200+50+2)$
$= (300+200)+(30+40)+(6+4)$	$= (200-200)+(70-50)+(9-2)$
$= 500+70+10$	$= 20+7$
$= 580$	$= 27$
11. $438+123$	12. $342-220$
$= (400+30+8)+(100+20+3)$	$= (300+40+2)-(200+20+0)$
$= (400+100)+(30+20)+(8+3)$	$= (300-200)+(40-20)+(2-0)$
$= 500+50+11$	$= 100+20+2$
$= 561$	$= 122$
13. $13 \times 5$	14. $66 \div 3$
$= (10+3) \times 5$	$= (60+6) \div 3$
$= (10 \times 5) + (3 \times 5)$	$= (60 \div 3) + (6 \div 3)$
$= 50+15$	$= 20+2$

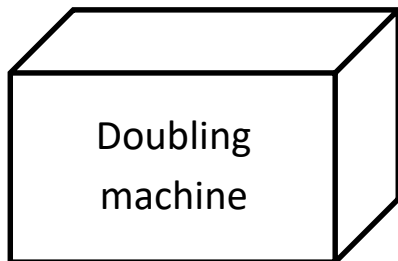
= 65

= 22

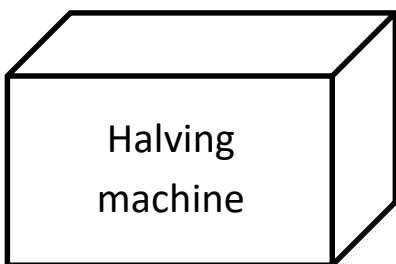
**Complete the counting patterns:**

k. Count forwards in 20's	260	<b>280</b>	<b>300</b>	<b>320</b>	<b>340</b>
l. Count backwards in 50's	550	<b>500</b>	<b>450</b>	<b>400</b>	<b>350</b>
m. Count forwards in 100's	323	<b>423</b>	<b>523</b>	<b>623</b>	<b>723</b>
n. Count forwards in 3's	427	<b>430</b>	<b>433</b>	<b>436</b>	<b>439</b>
o. Count backwards in 4's	116	<b>112</b>	<b>108</b>	<b>104</b>	<b>100</b>
p. Count forwards in 2's	568	<b>570</b>	<b>572</b>	<b>574</b>	<b>576</b>
q. Count forwards in 10's	452	<b>462</b>	<b>472</b>	<b>482</b>	<b>492</b>
r. Count backwards in 5's	277	<b>272</b>	<b>267</b>	<b>262</b>	<b>257</b>
s. Count forwards in 15's	325	<b>340</b>	<b>355</b>	<b>370</b>	<b>385</b>
t. Count forwards in 20's	260	<b>280</b>	<b>300</b>	<b>320</b>	<b>340</b>

**Doubling and halving:**



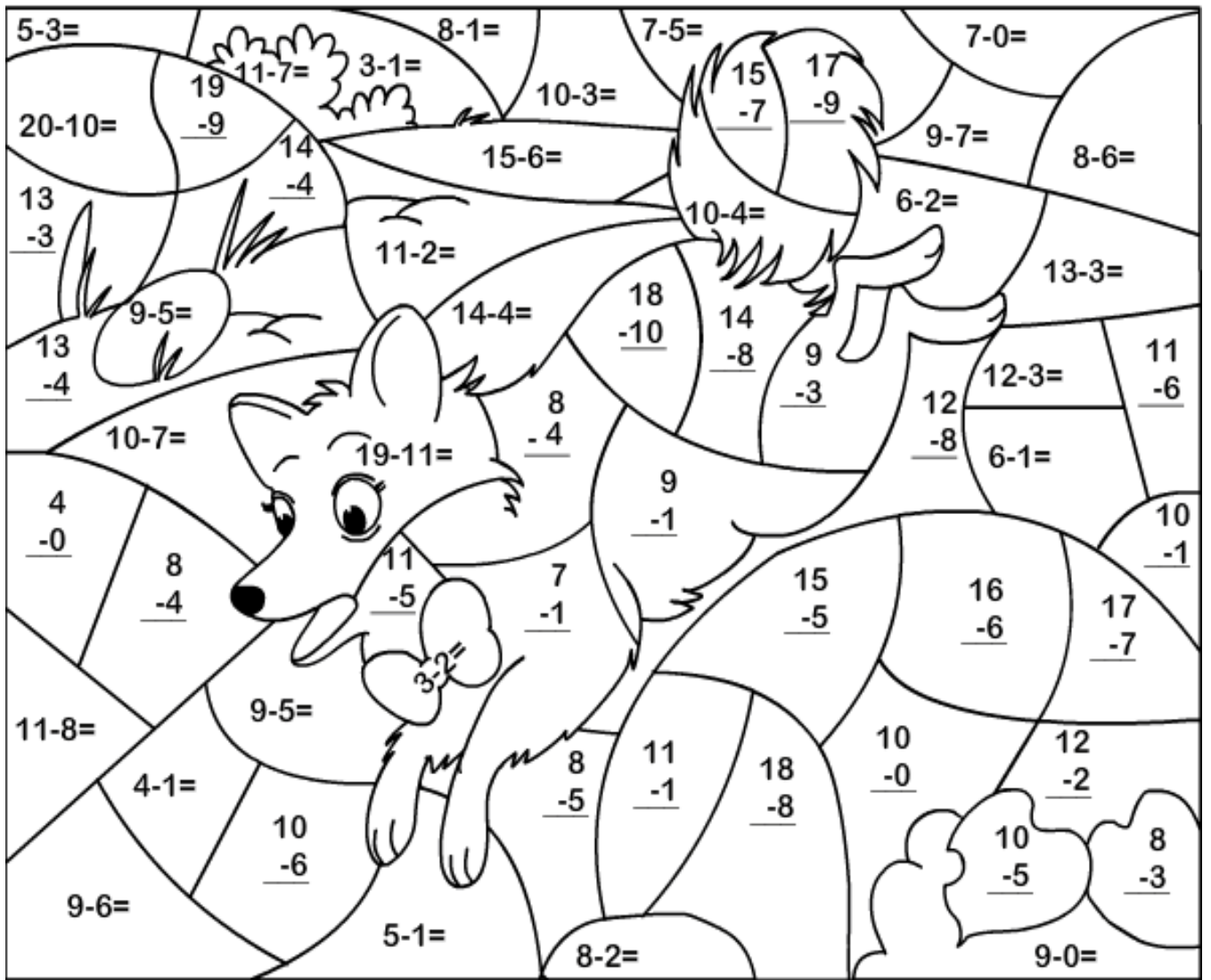
IN	30	15	8	24	12	46	32	18	17
OUT	<b>60</b>	<b>30</b>	<b>16</b>	<b>48</b>	<b>24</b>	<b>92</b>	<b>64</b>	<b>36</b>	<b>34</b>



IN	26	12	32	44	100	50	52	48	120
OUT	<b>13</b>	<b>6</b>	<b>16</b>	<b>22</b>	<b>50</b>	<b>25</b>	<b>26</b>	<b>24</b>	<b>60</b>

Time for some fun!!!

Subtract the given numbers and colour in the picture.



green 5,9

yellow 4,3

pink 1

blue 2,7

gray 6,8

brown 10



Love and duas

Zaheera Ma'am

